

Fig. 1

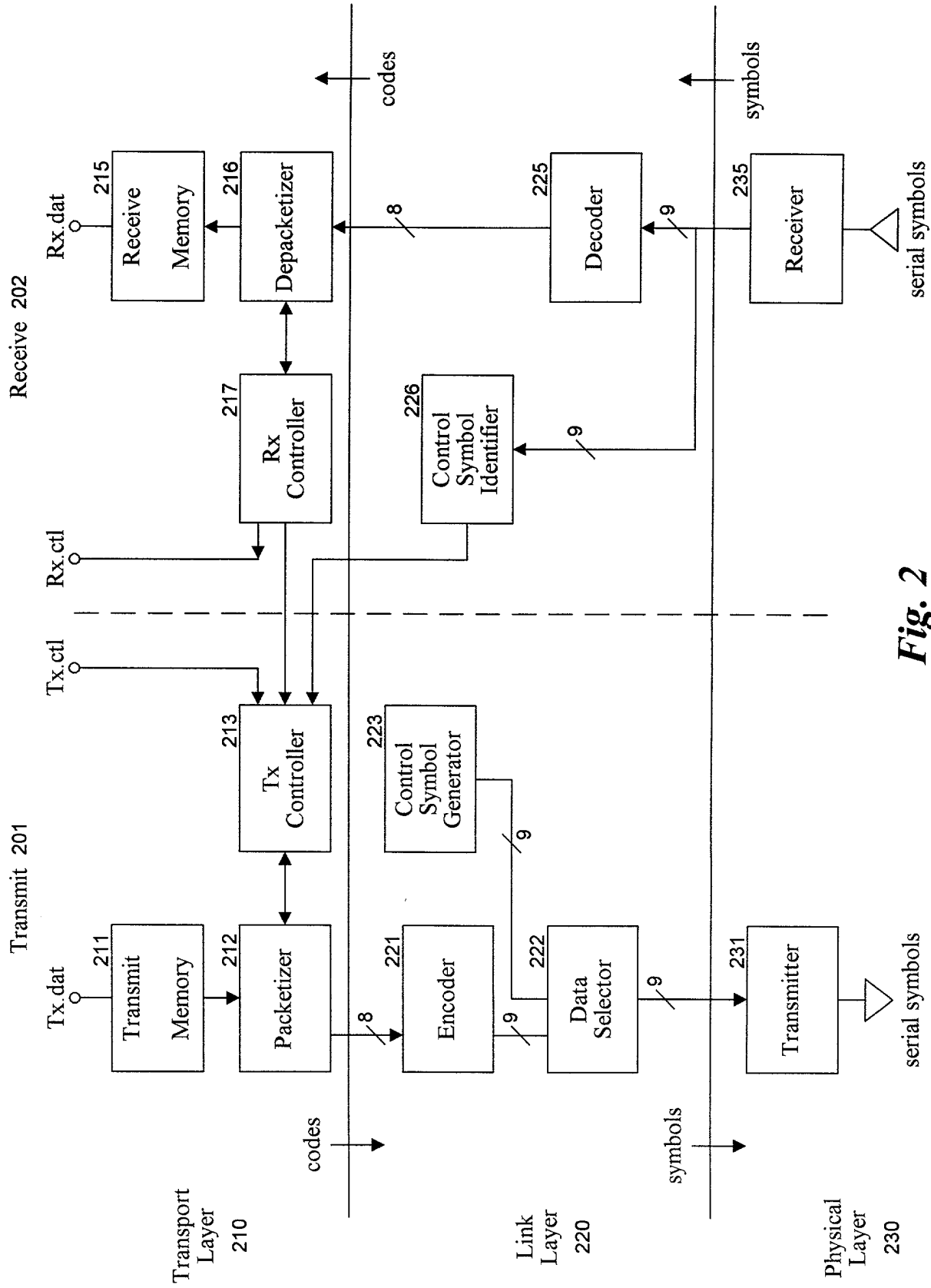


Fig. 2

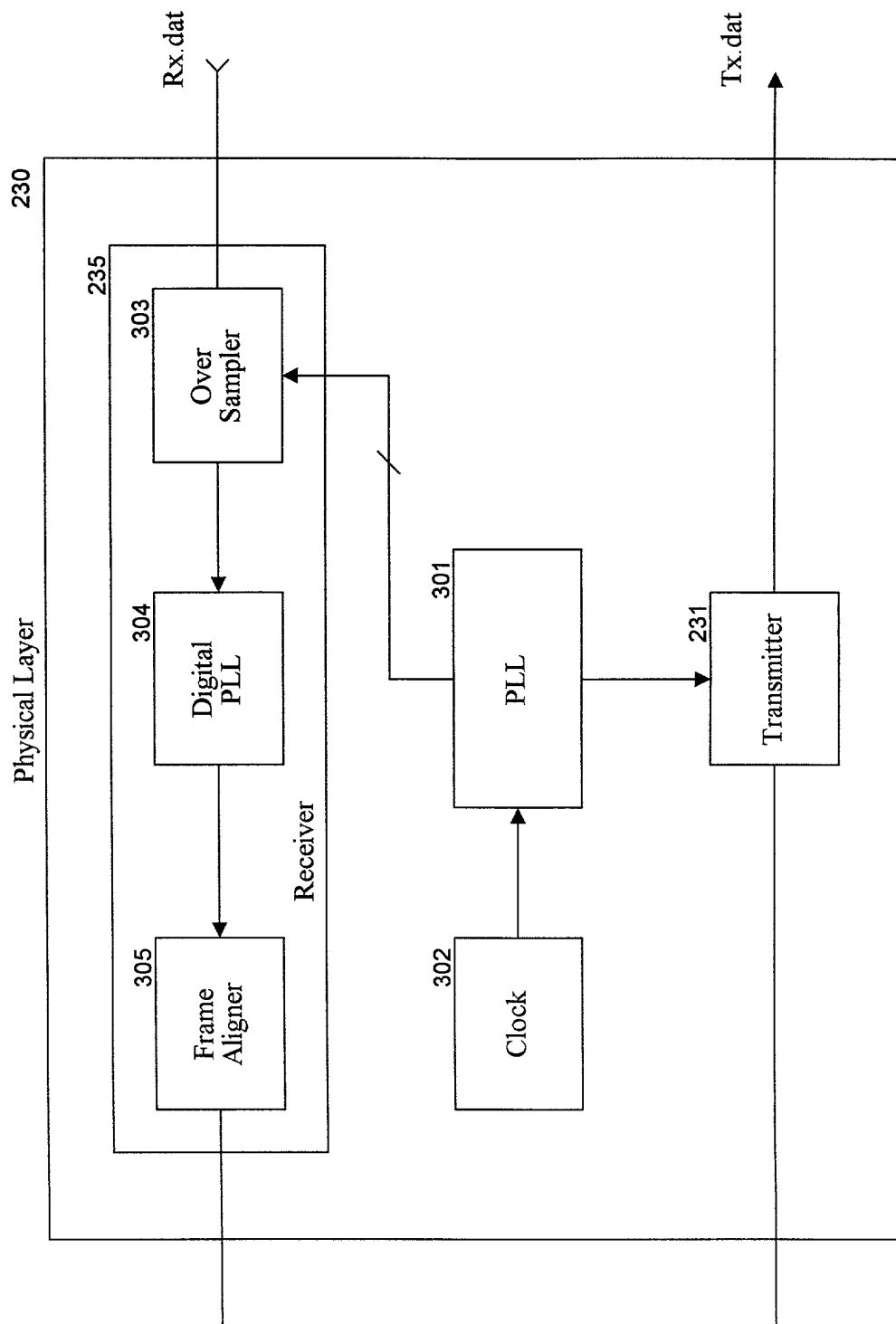


Fig. 3

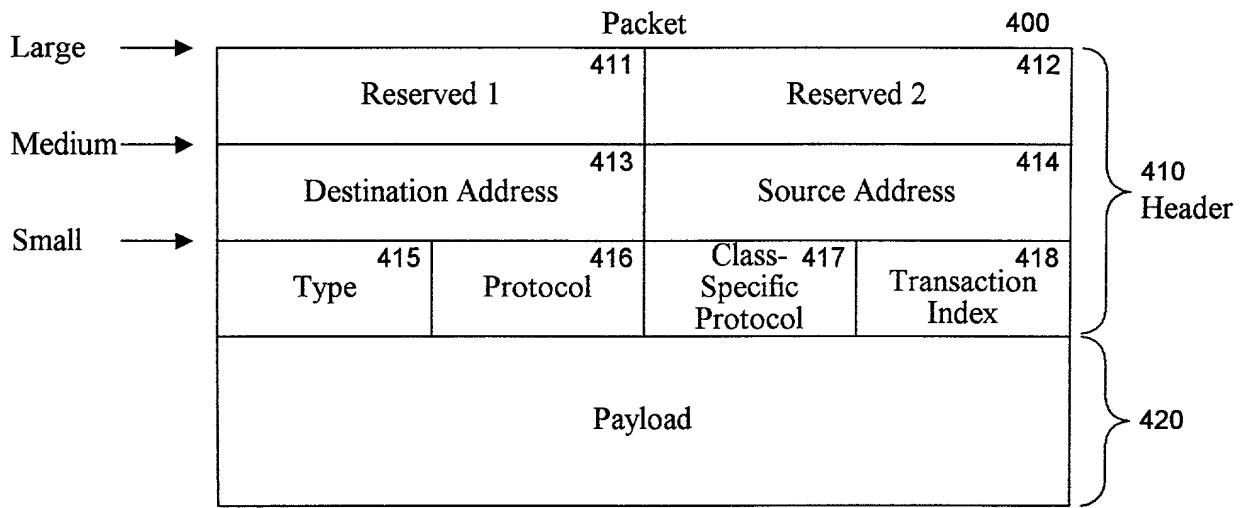


Fig. 4

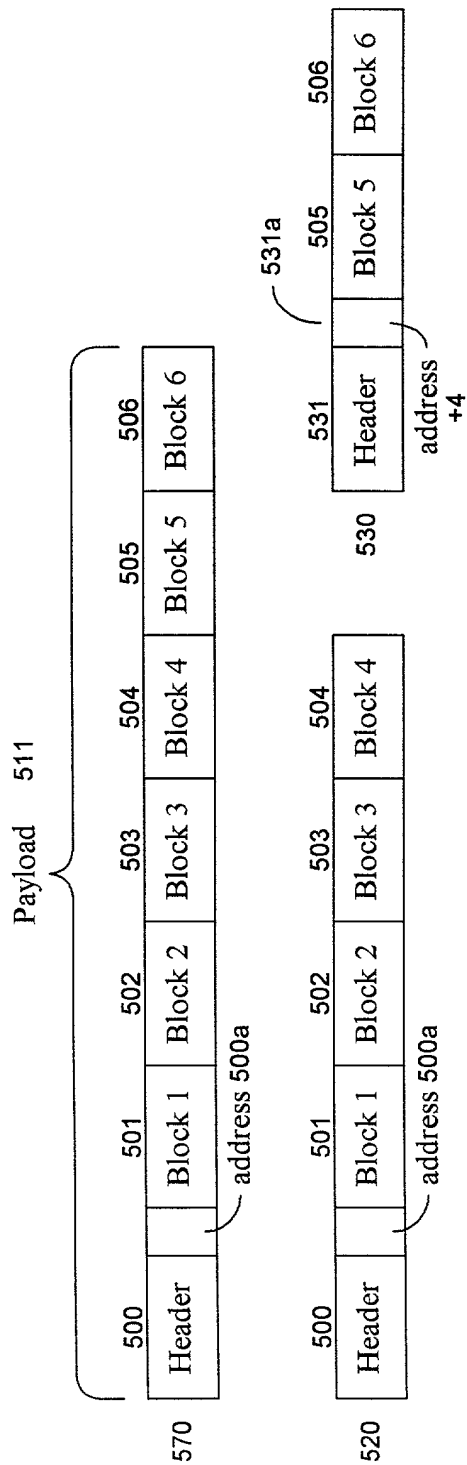


Fig. 5

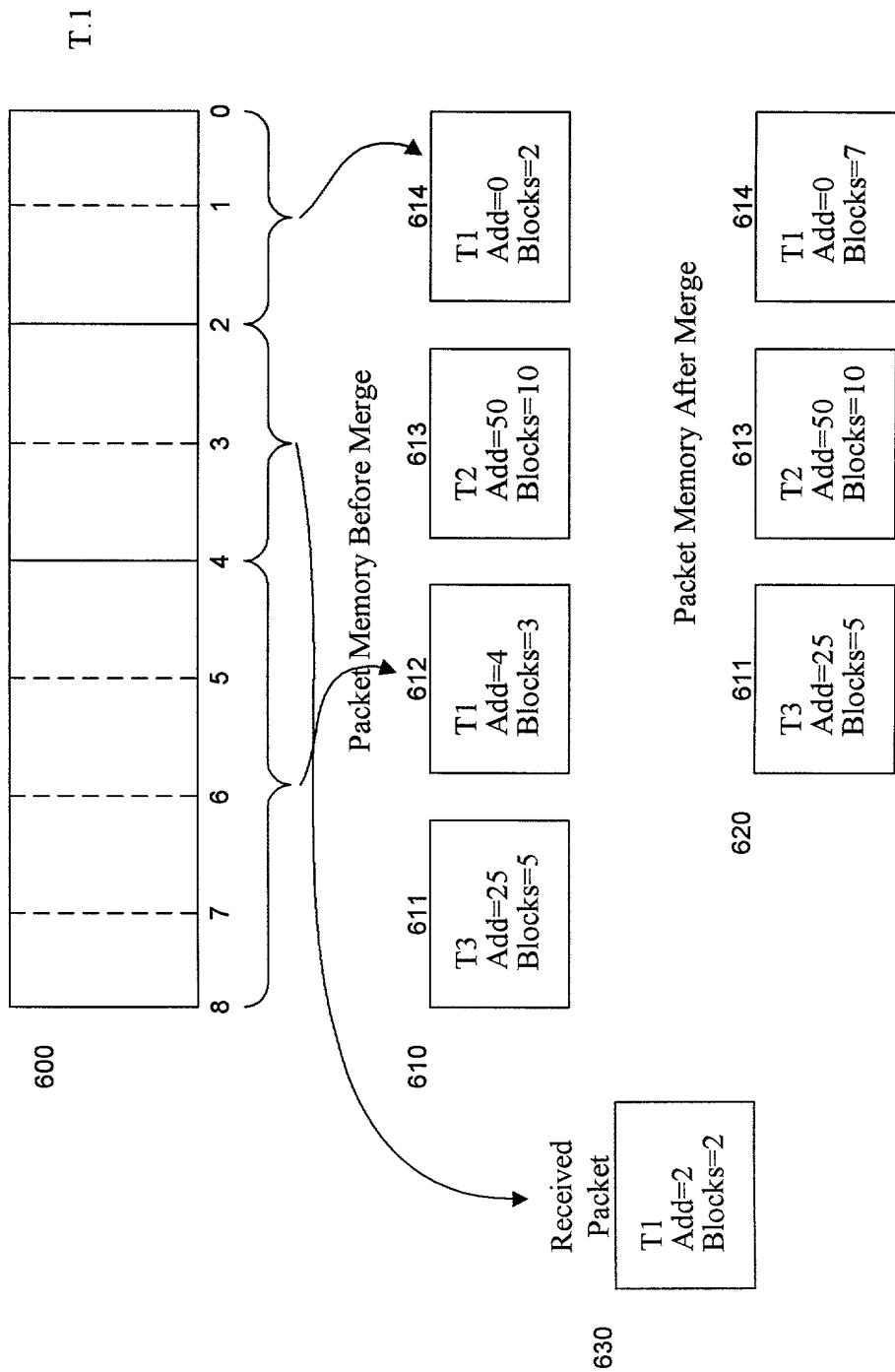


Fig. 6

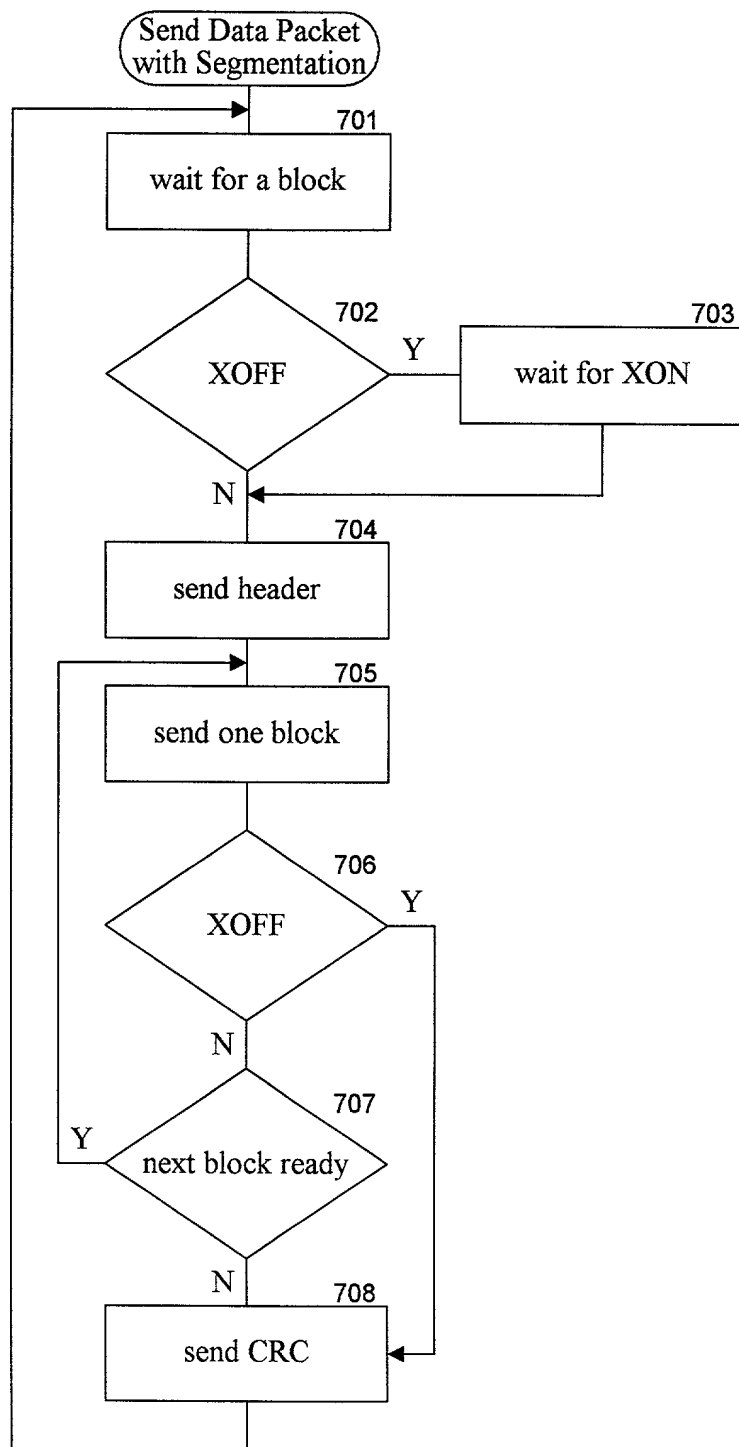


Fig. 7

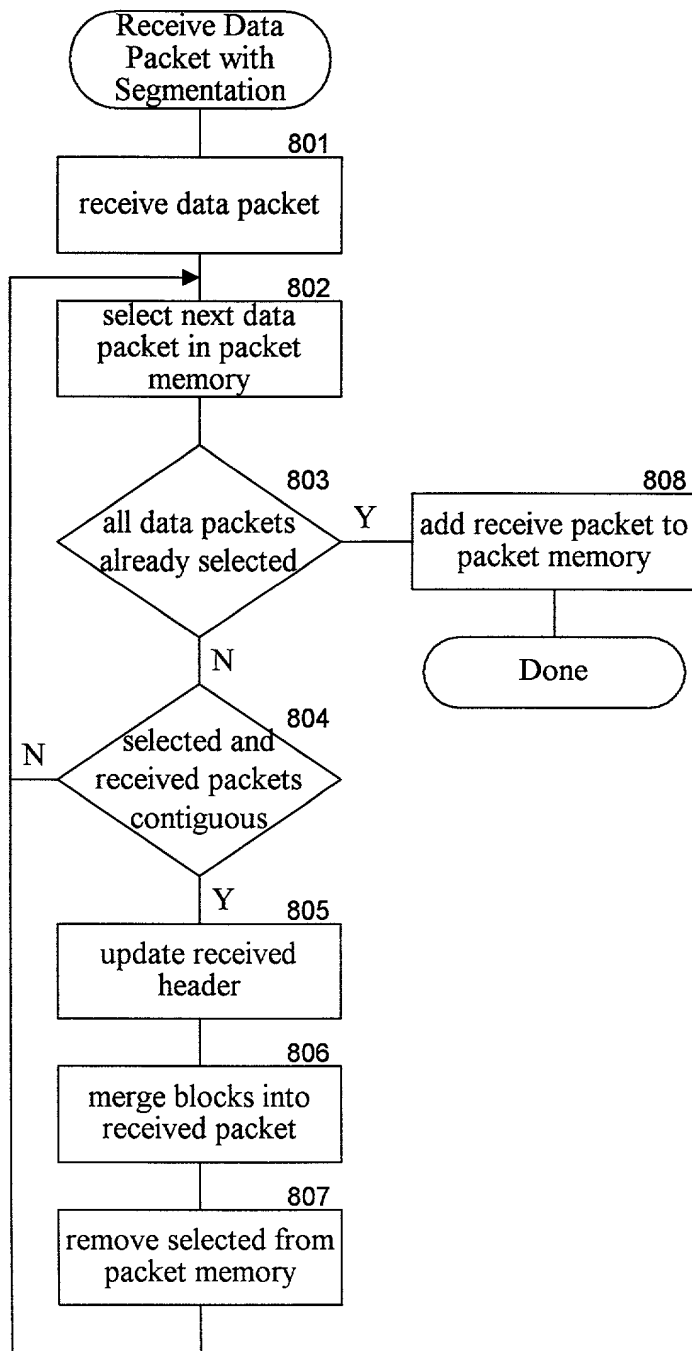
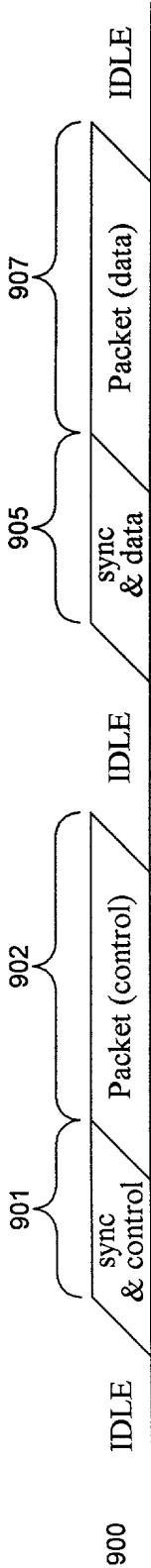


Fig. 8



sync & packet type

Fig. 9A

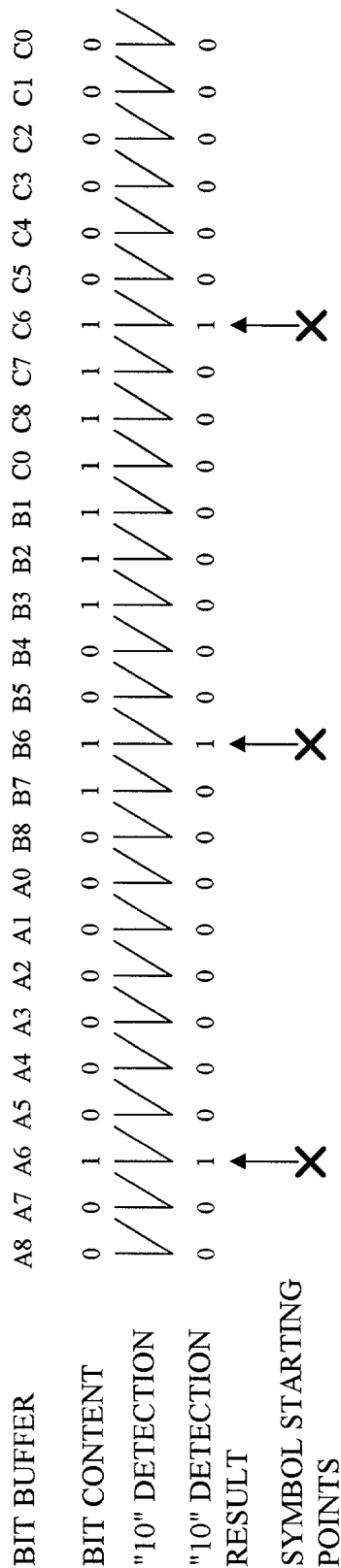


Fig. 9B

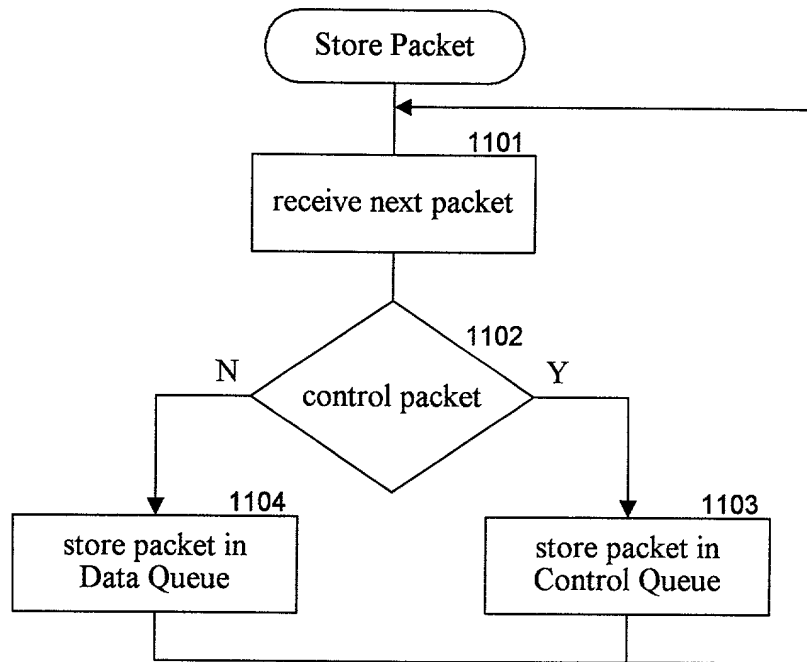


Fig. 11

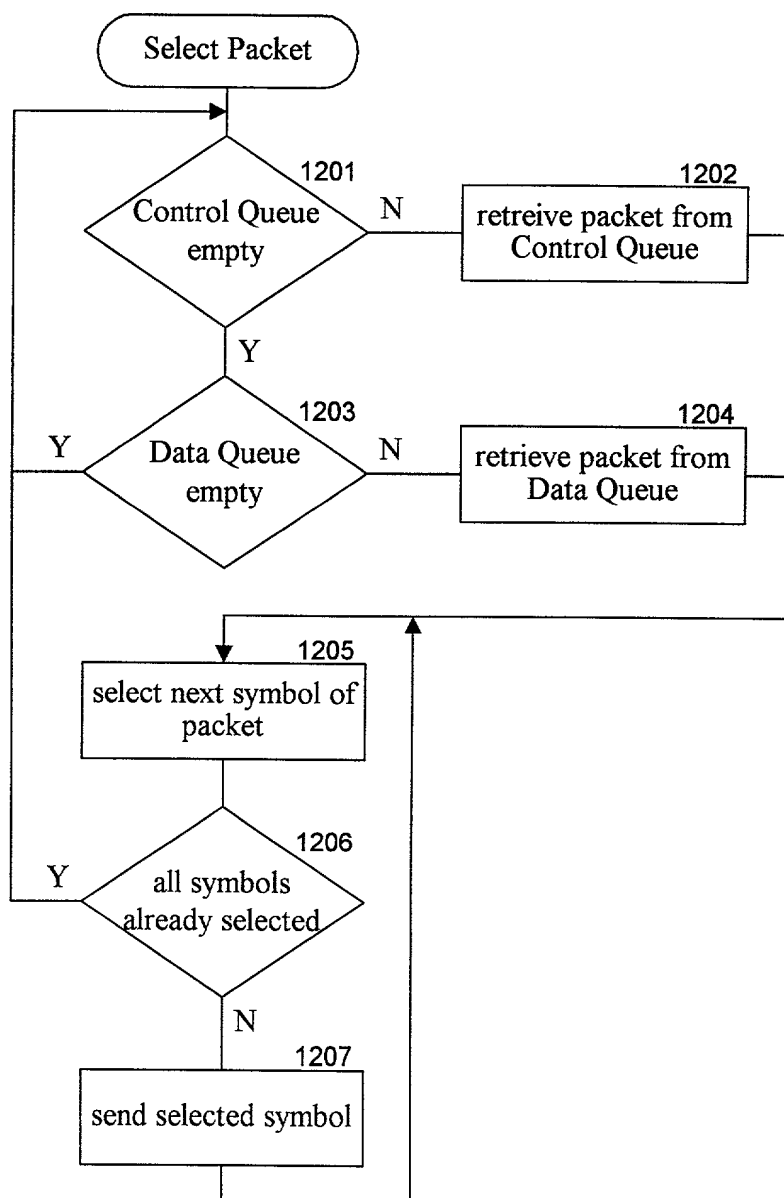


Fig. 12

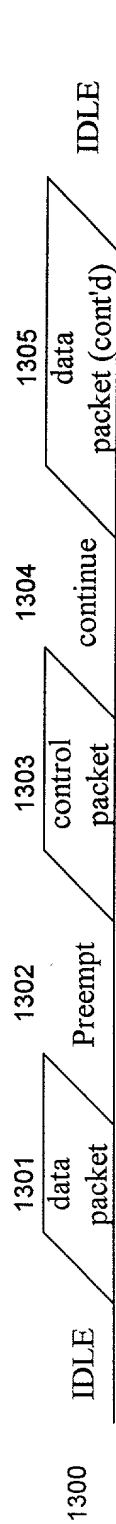


Fig. 13

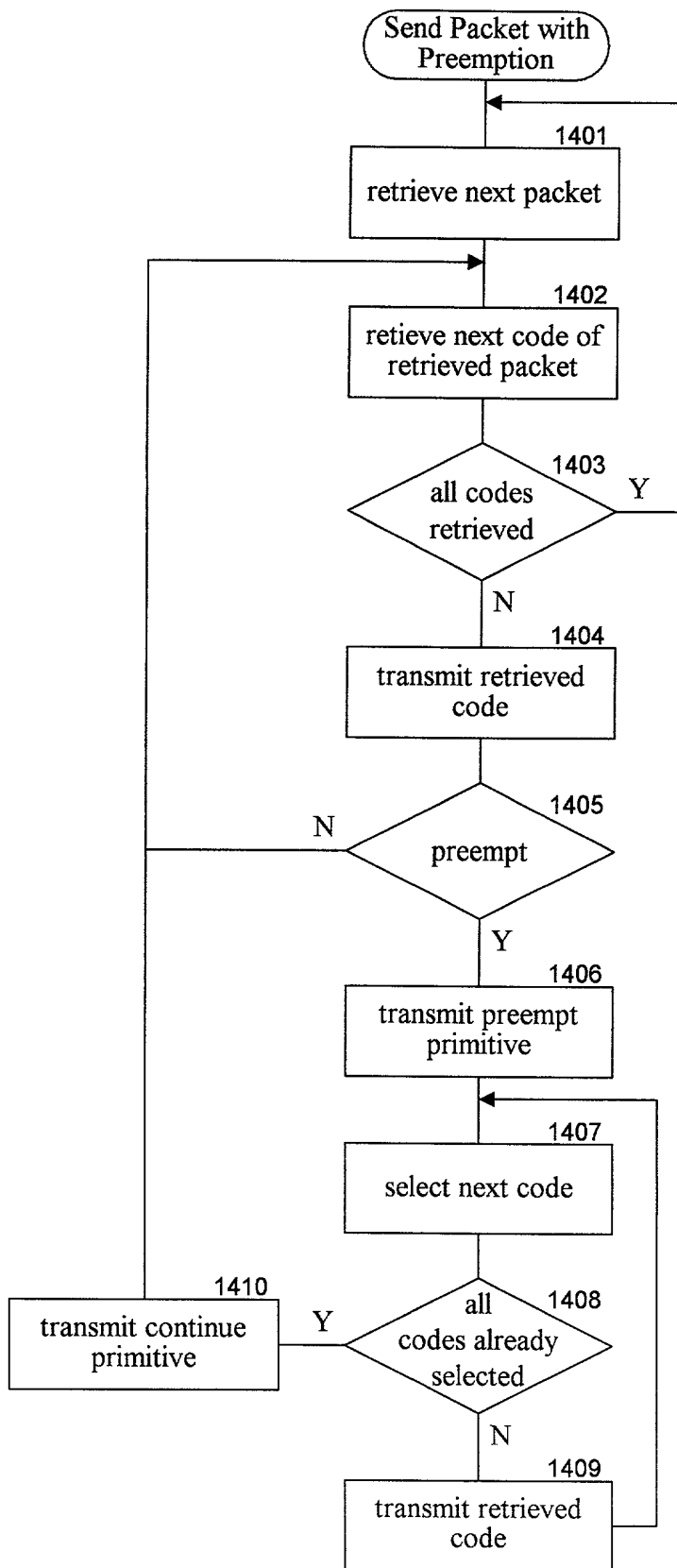


Fig. 14

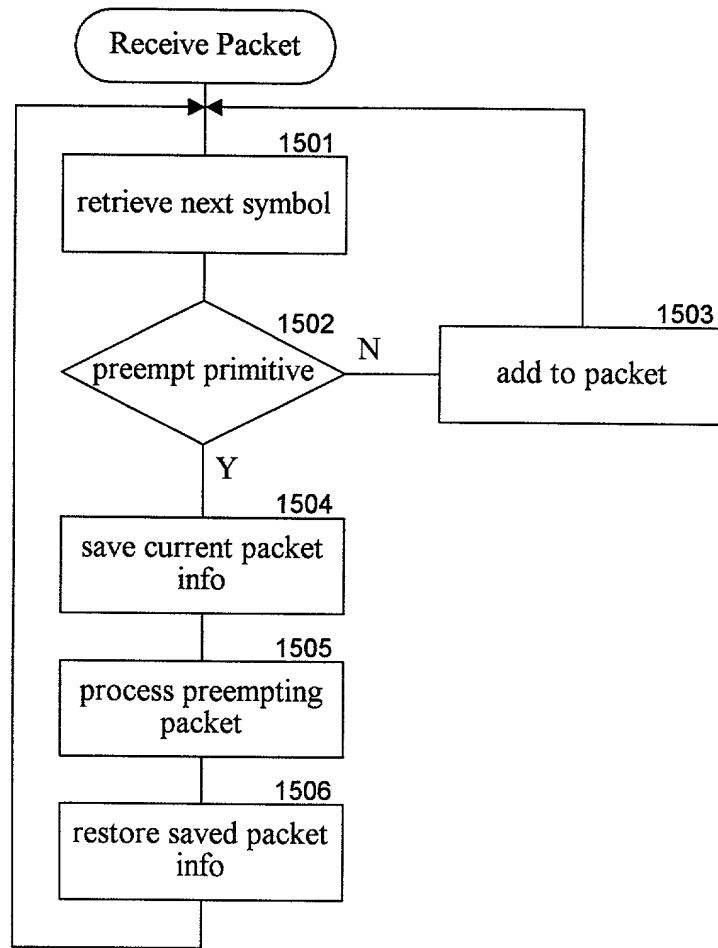


Fig. 15

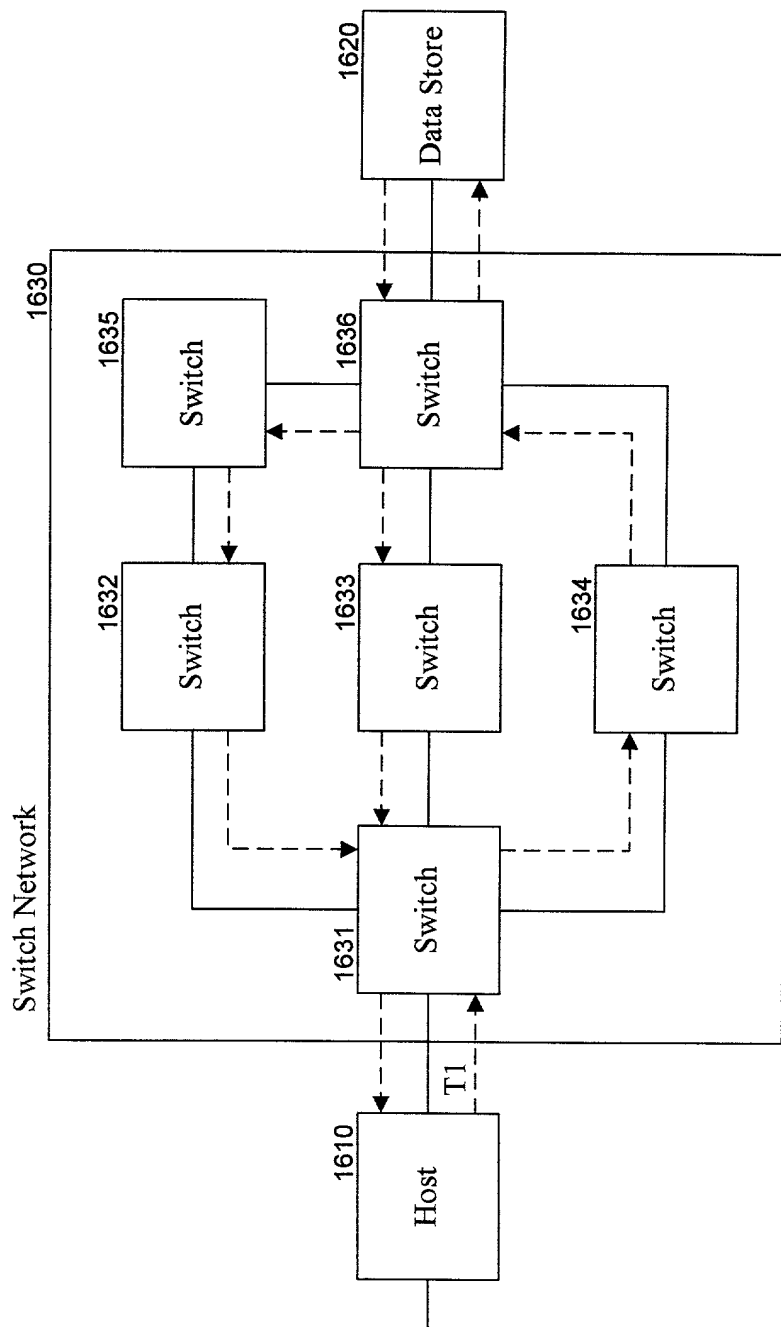


Fig. 16

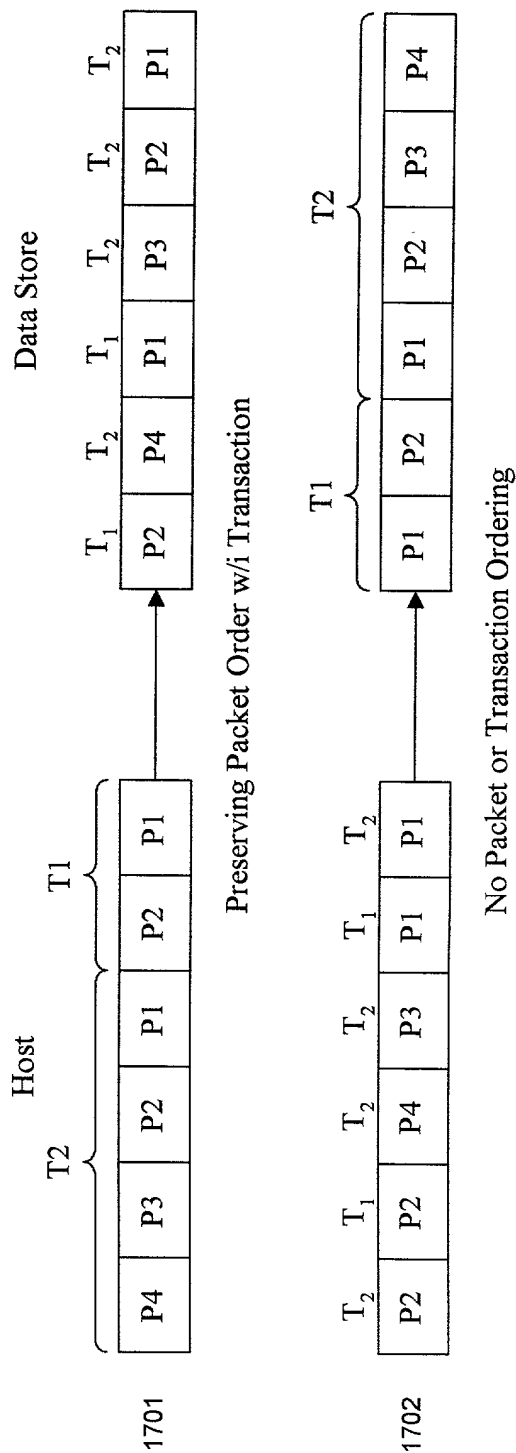


Fig. 17

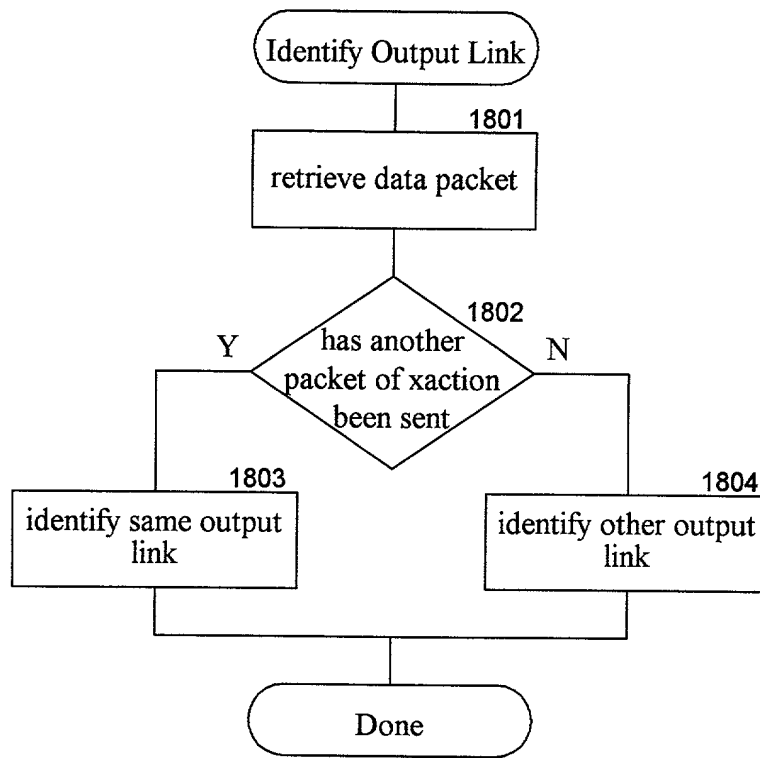


Fig. 18

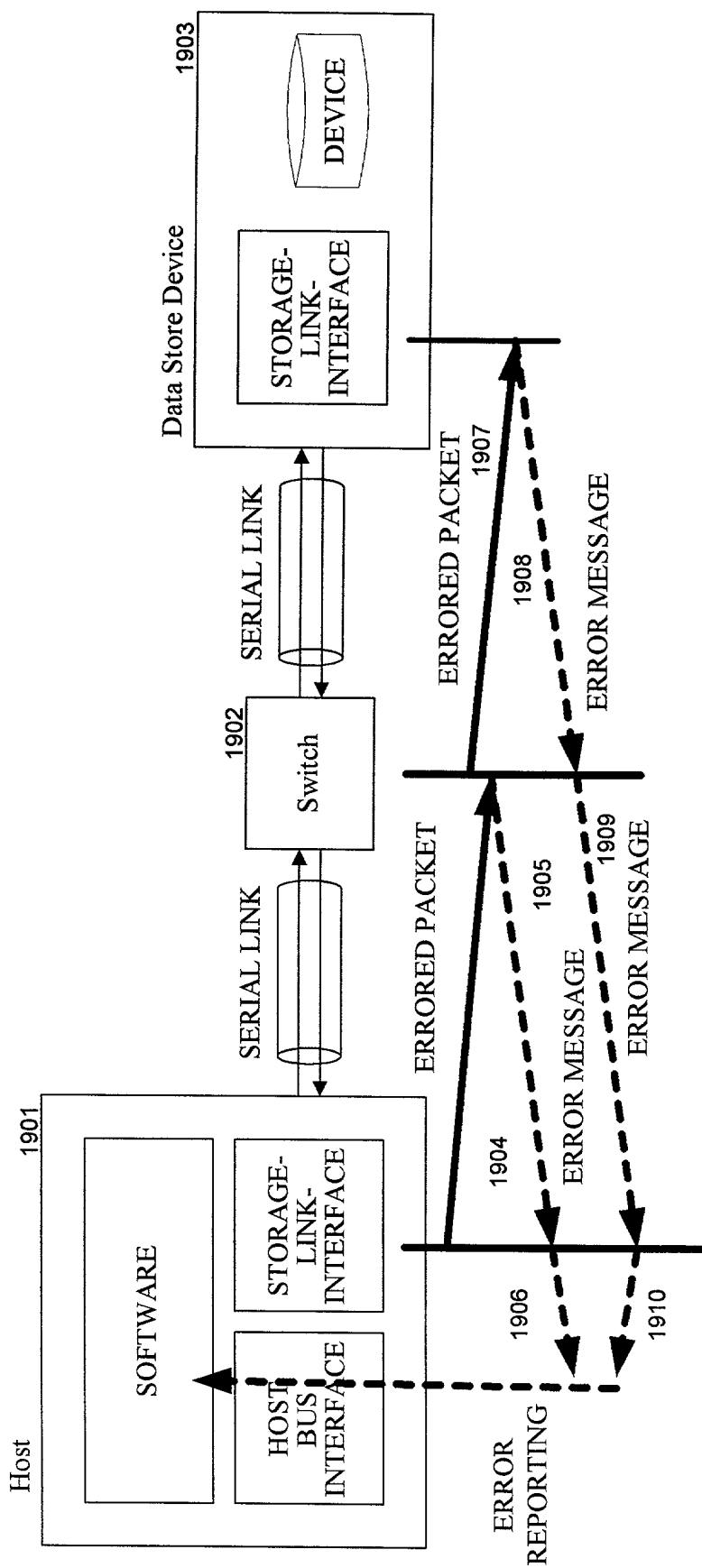


Fig. 19A

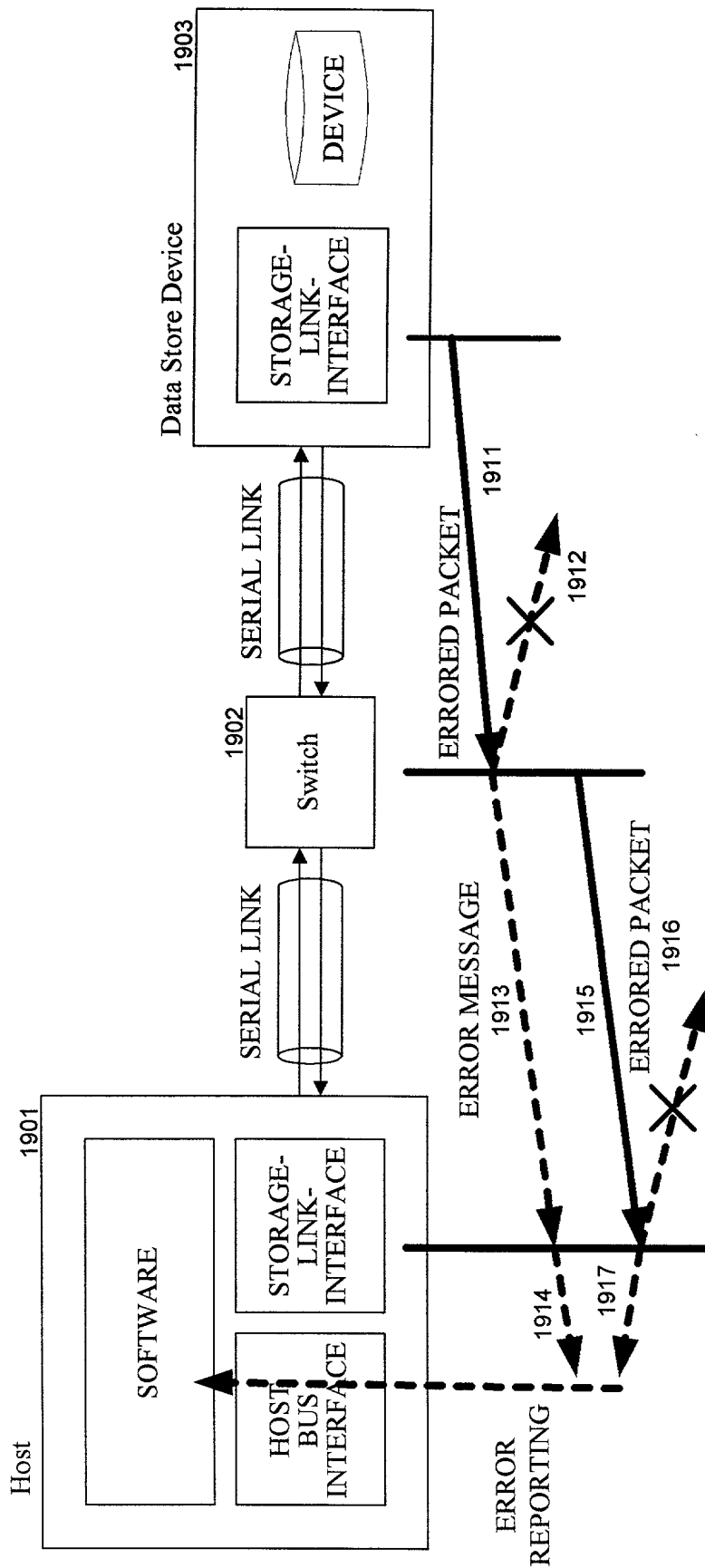


Fig. 19B

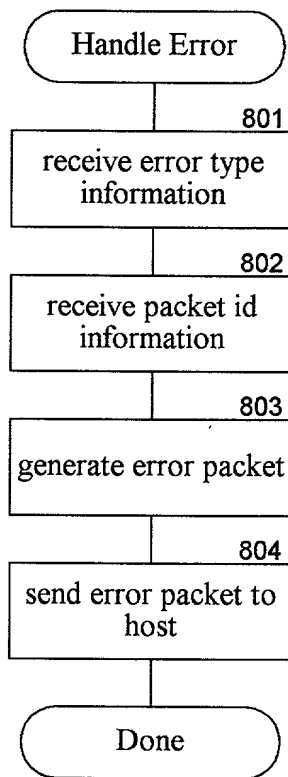


Fig. 19C

| 8b code | 9 bit symbol |
|-----------|--------------|
| 0000 0000 | 101010101 |
| 0000 0001 | 101010100 |
| 0000 0010 | 101010111 |
| ⋮ | |
| 0101 0101 | 001010101 |
| ⋮ | |
| 0111 0110 | 001110110 |
| 0111 0111 | 100100010 |
| ⋮ | |
| 1111 1111 | 110101010 |

Fig. 20

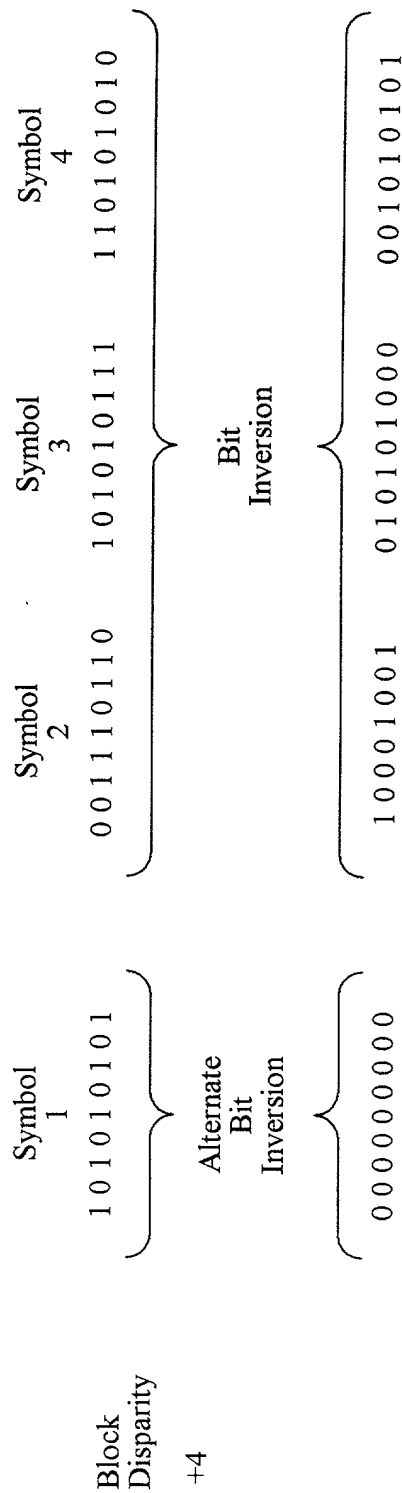


Fig. 21A

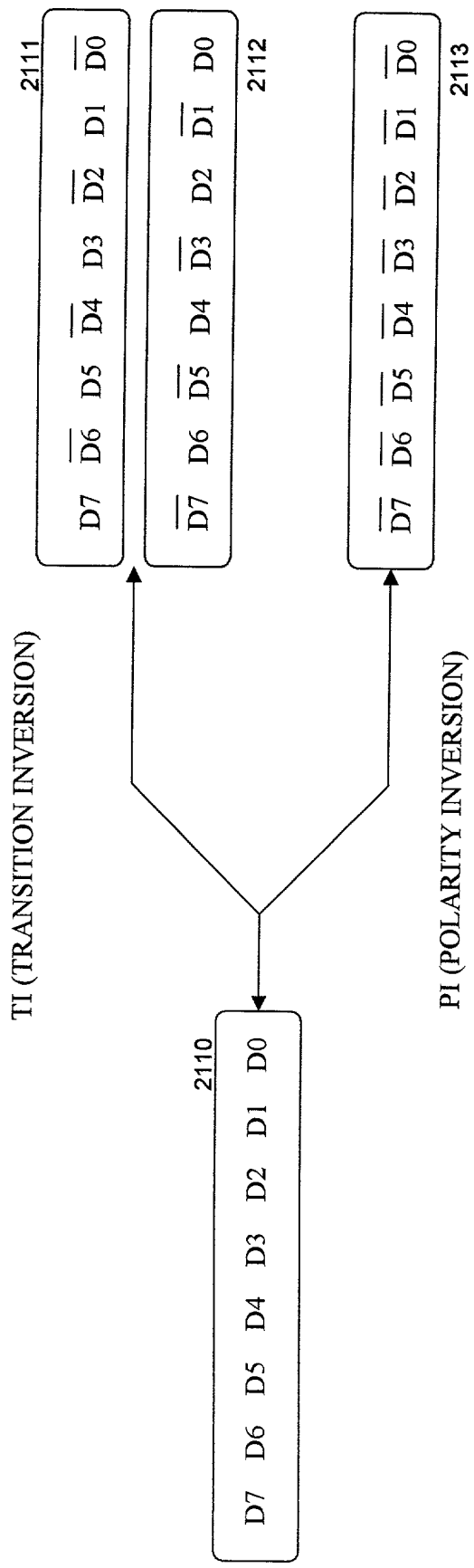


Fig. 21C

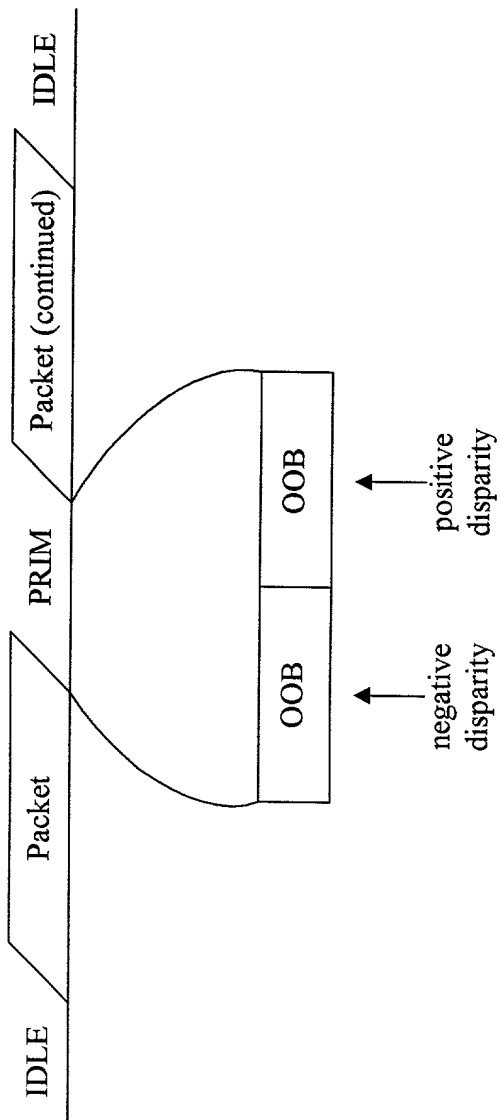


Fig. 22

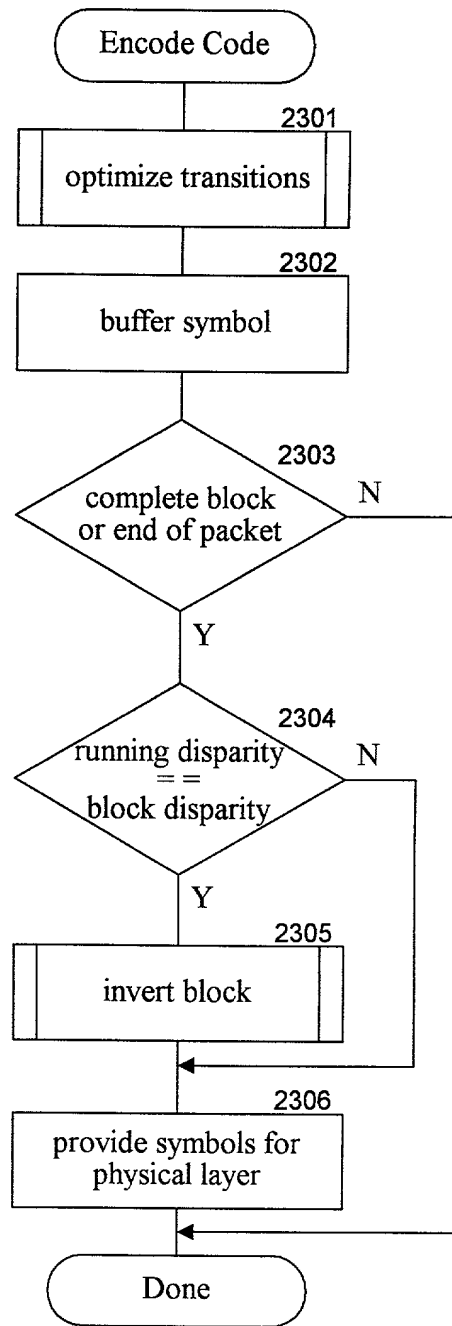


Fig. 23

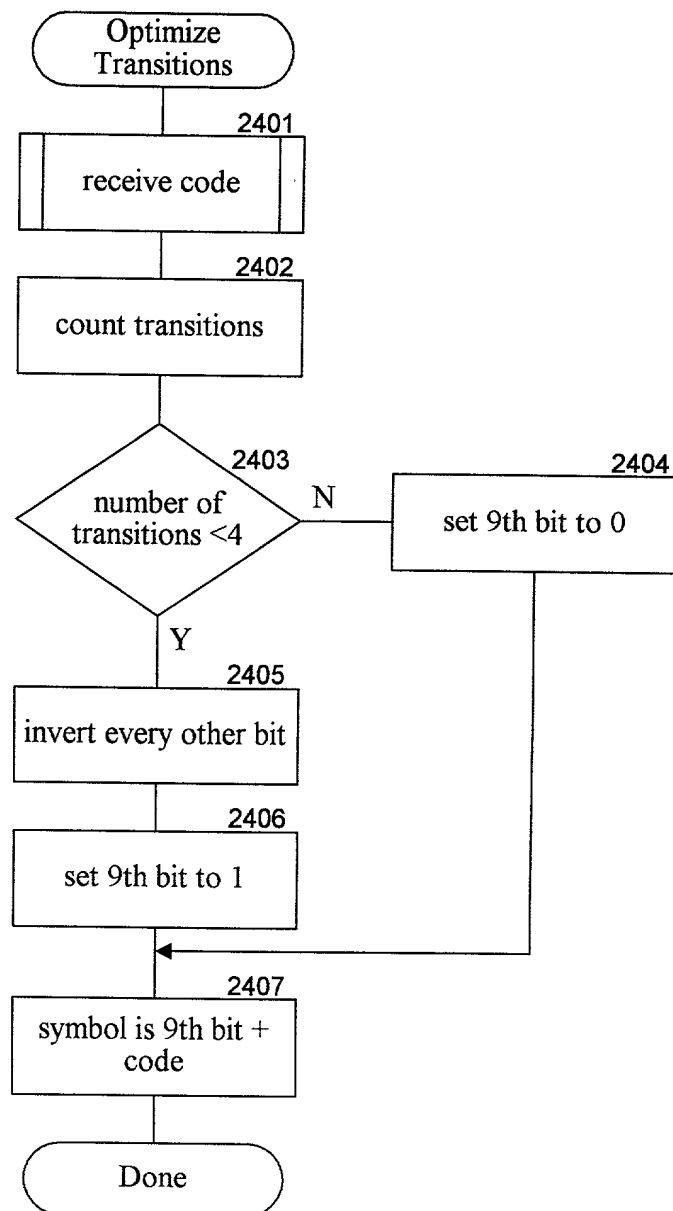


Fig. 24

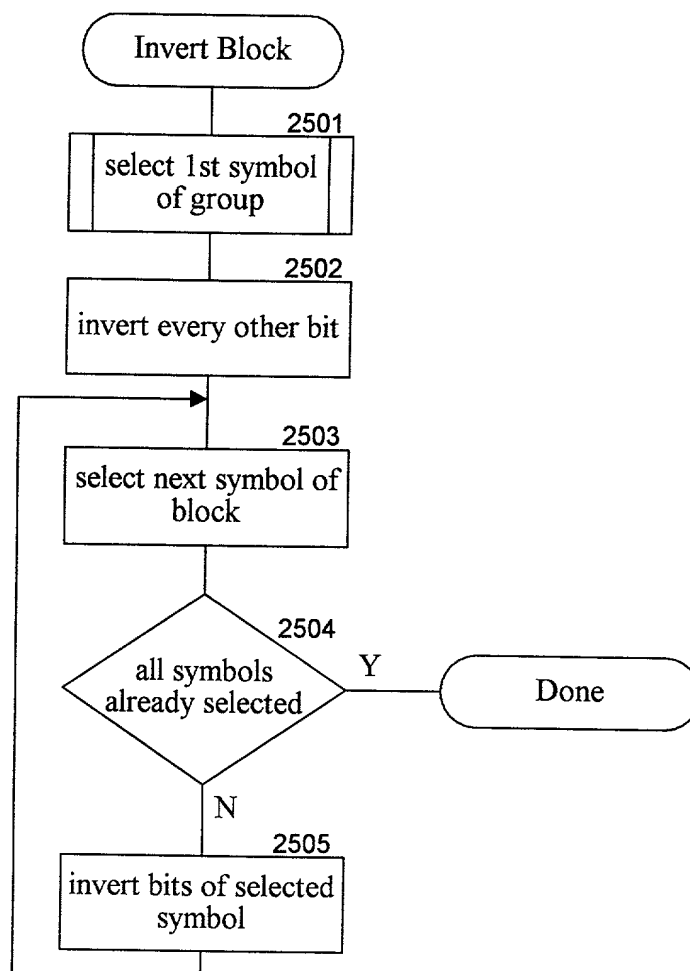


Fig. 25

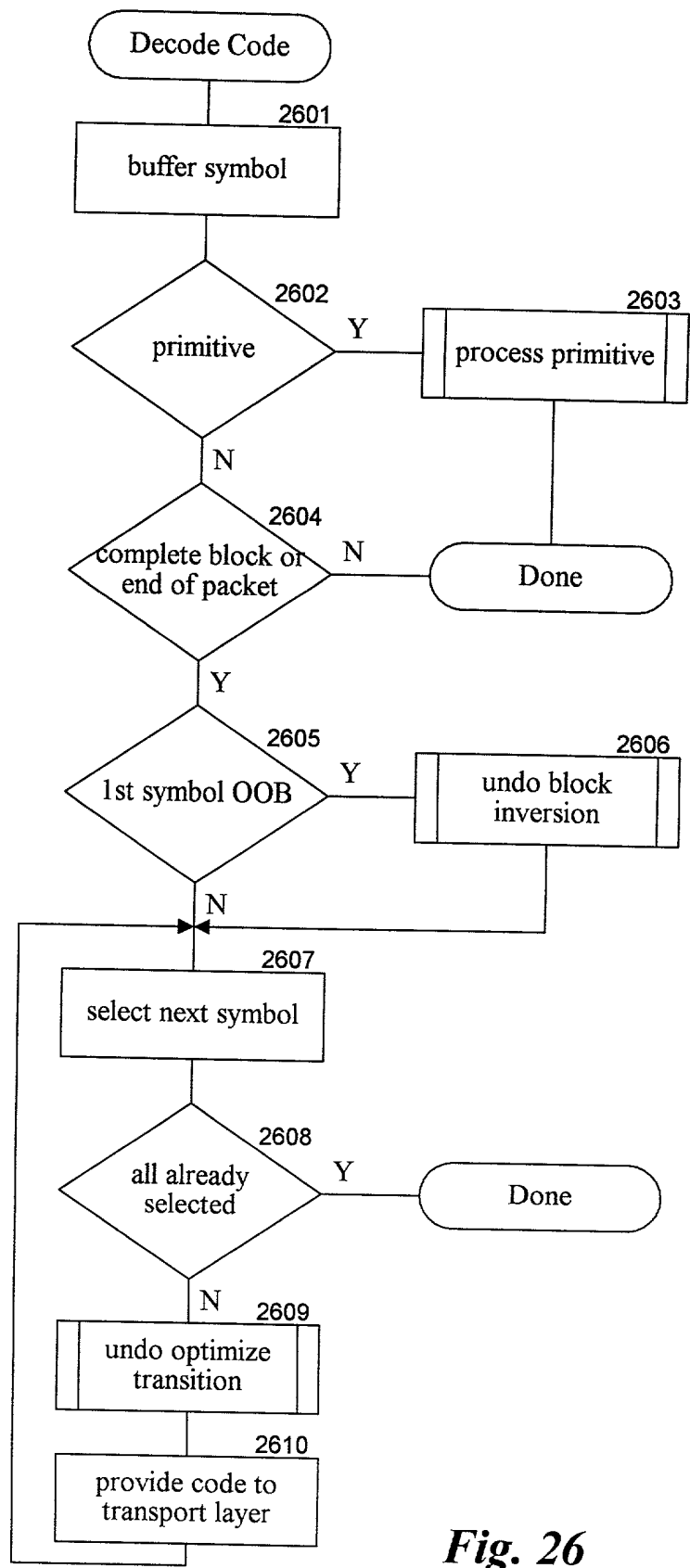


Fig. 26

2004051900100610

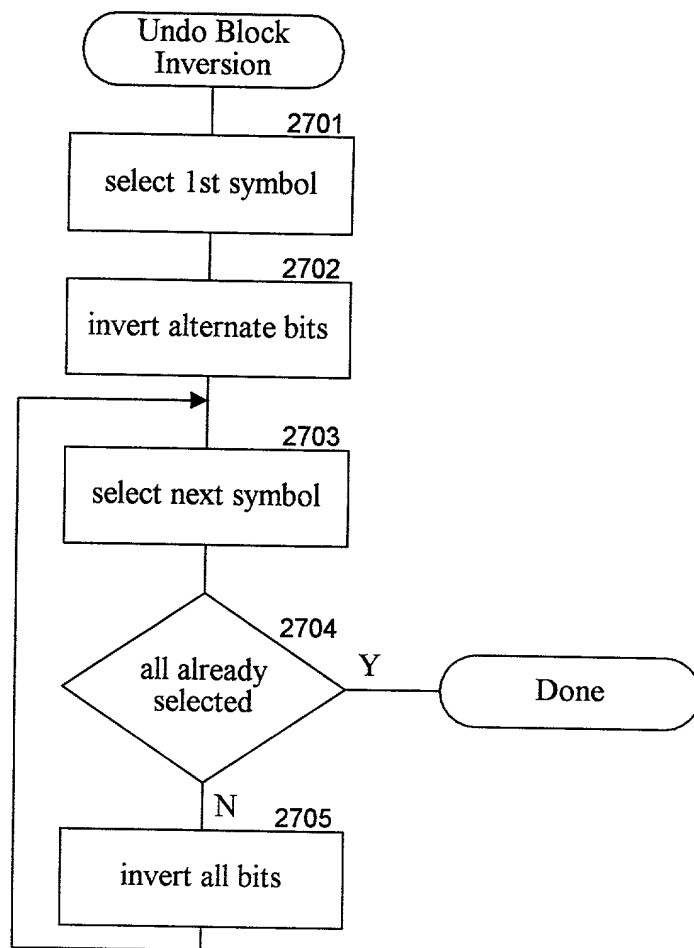


Fig. 27

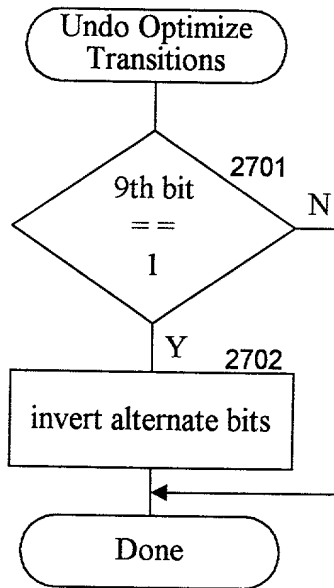


Fig. 28

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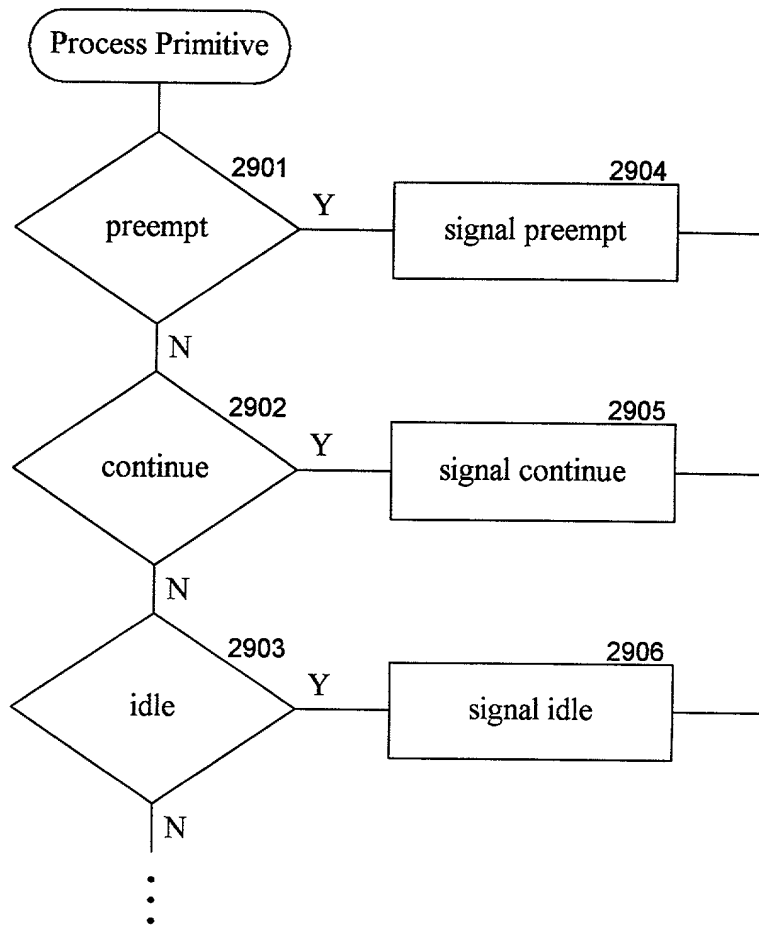


Fig. 29

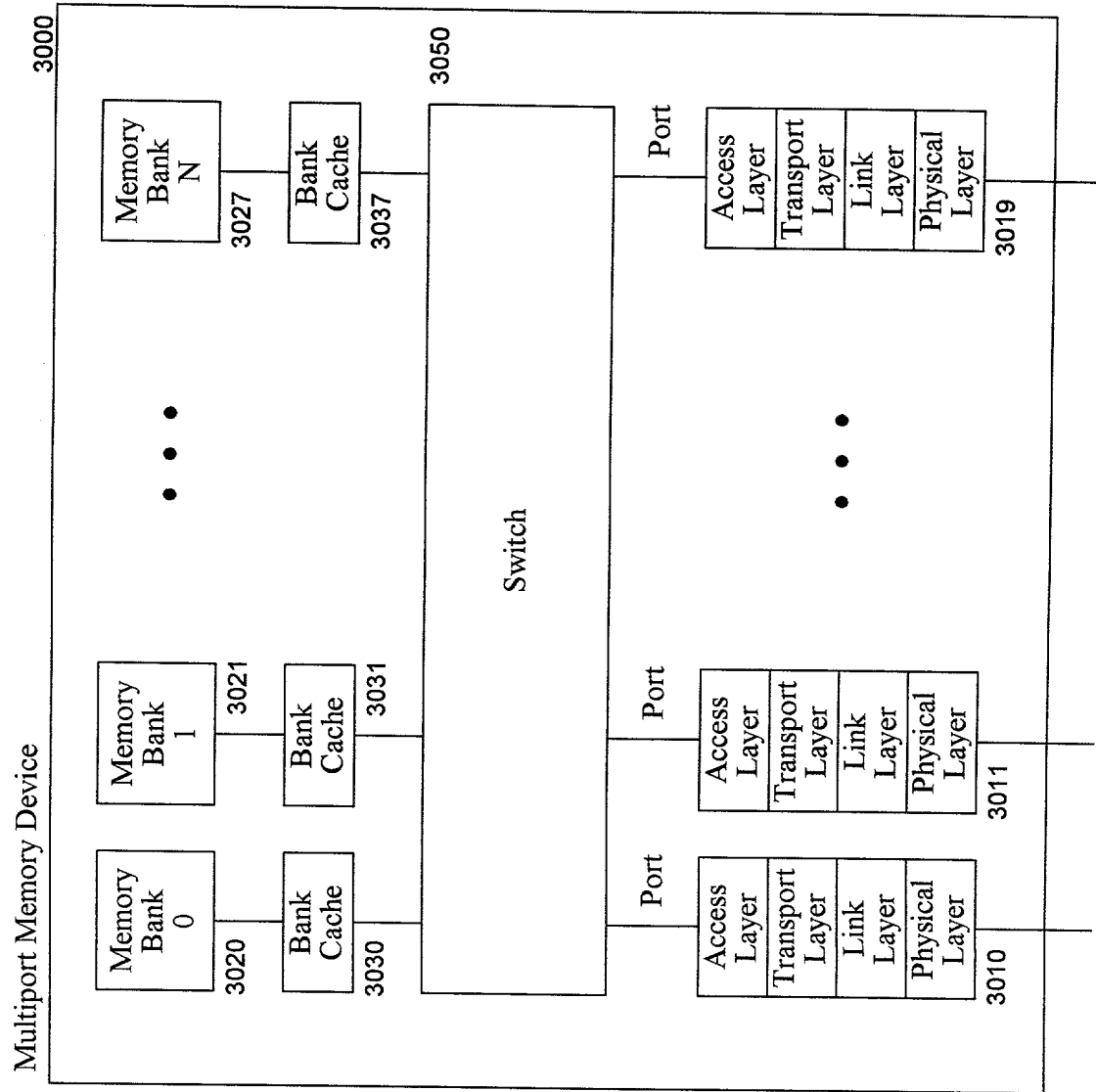


Fig. 30

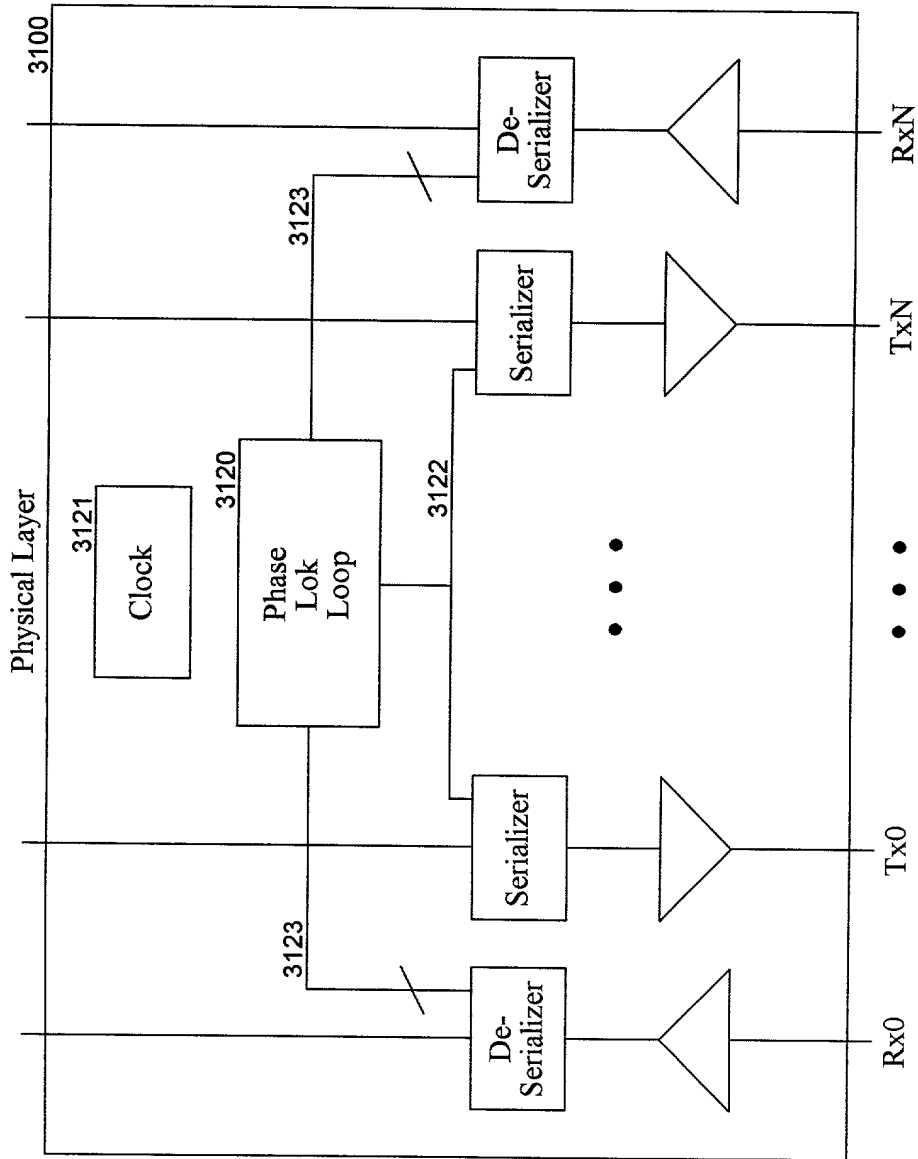


Fig. 31

| Input Queue 3201 | | | | Output Queue 3202 | | |
|------------------|-----|---------|---------|-------------------|------|---------|
| Port | R/W | Address | Data | Valid | Port | Data |
| 3 | R | 1000 | | 1 | 3 | 11...0 |
| 4 | W | 4000 | 10...1 | 0 | | |
| 3 | W | 1000 | 111...0 | 0 | | |
| 3 | R | 2000 | | 1 | 3 | 101...1 |
| | : | : | | | : | : |

Fig. 32

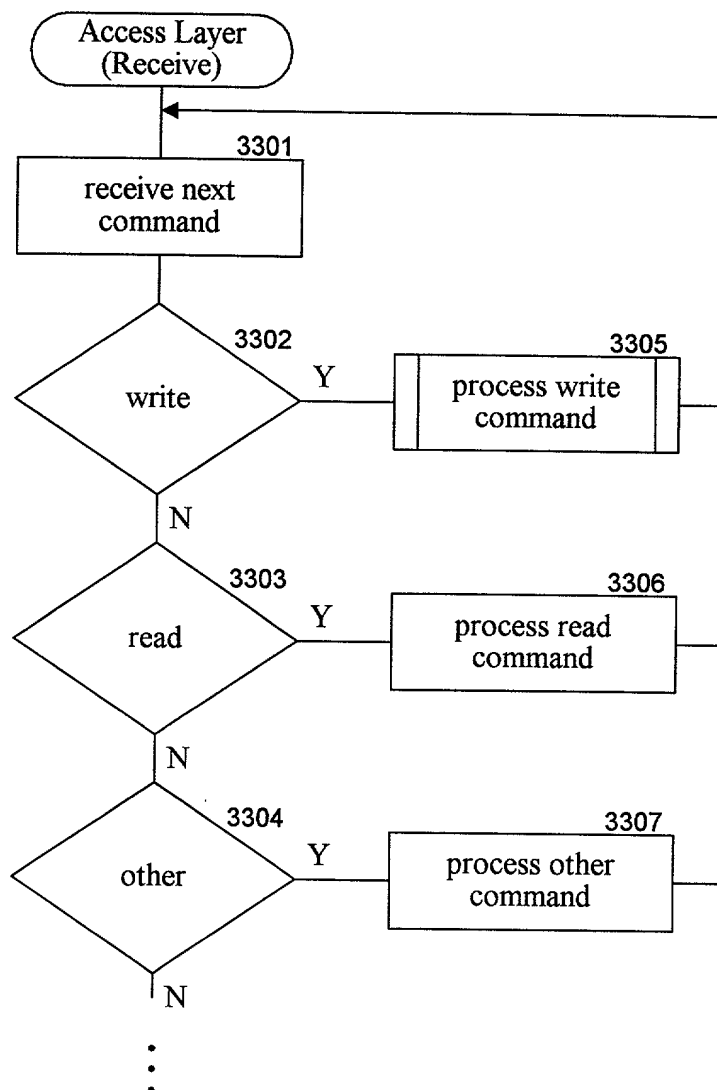


Fig. 33

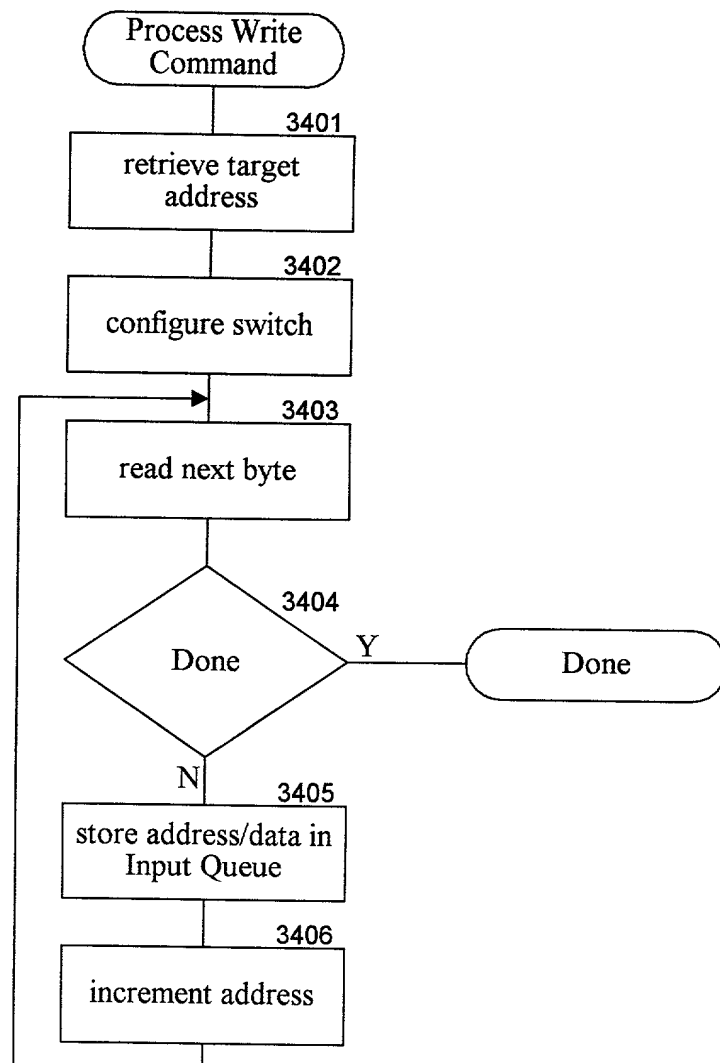


Fig. 34

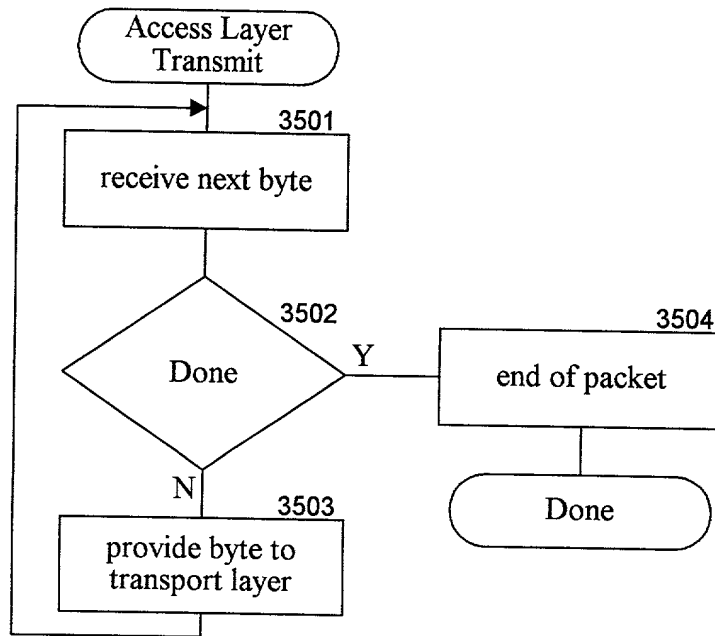


Fig. 35

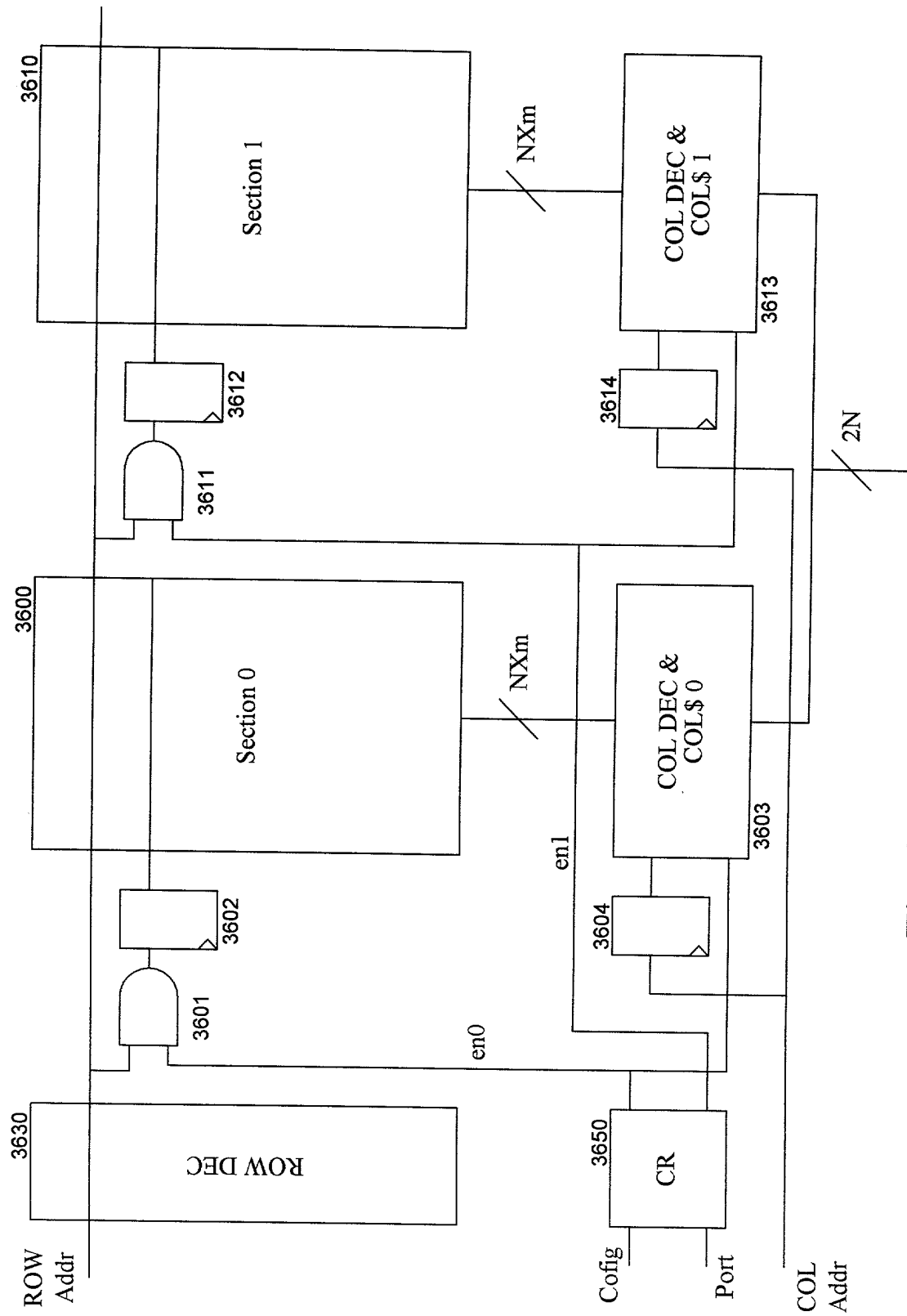


Fig. 36

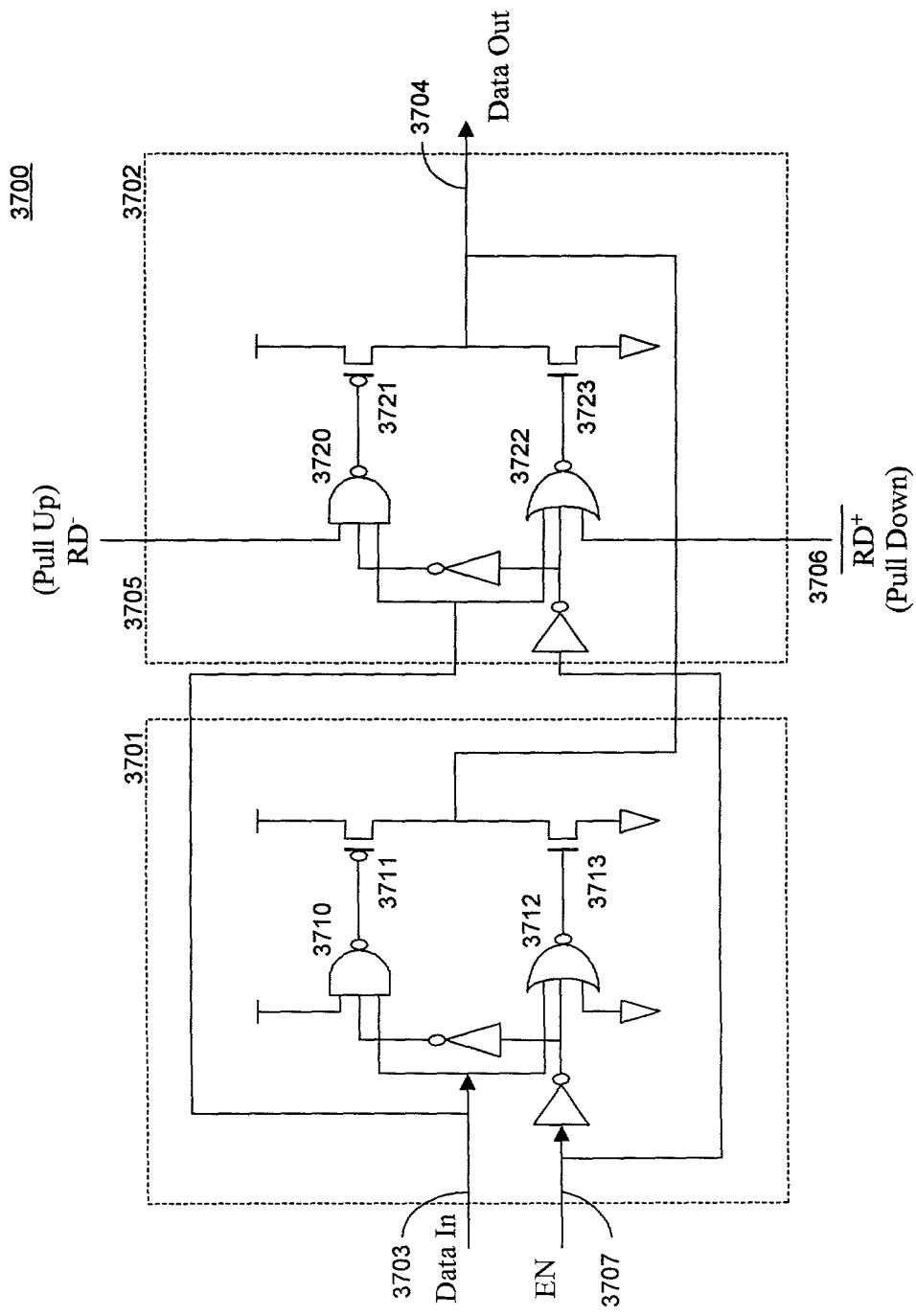


Fig. 37B

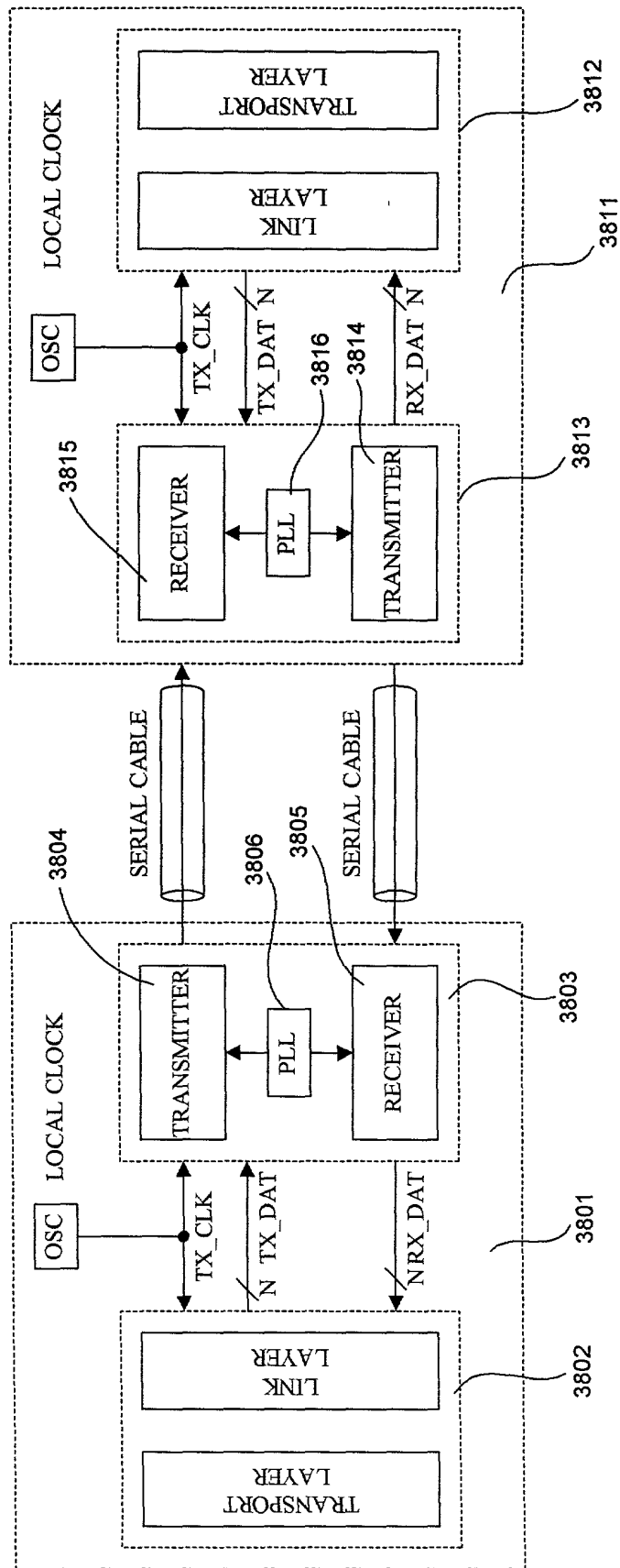


Fig. 38A

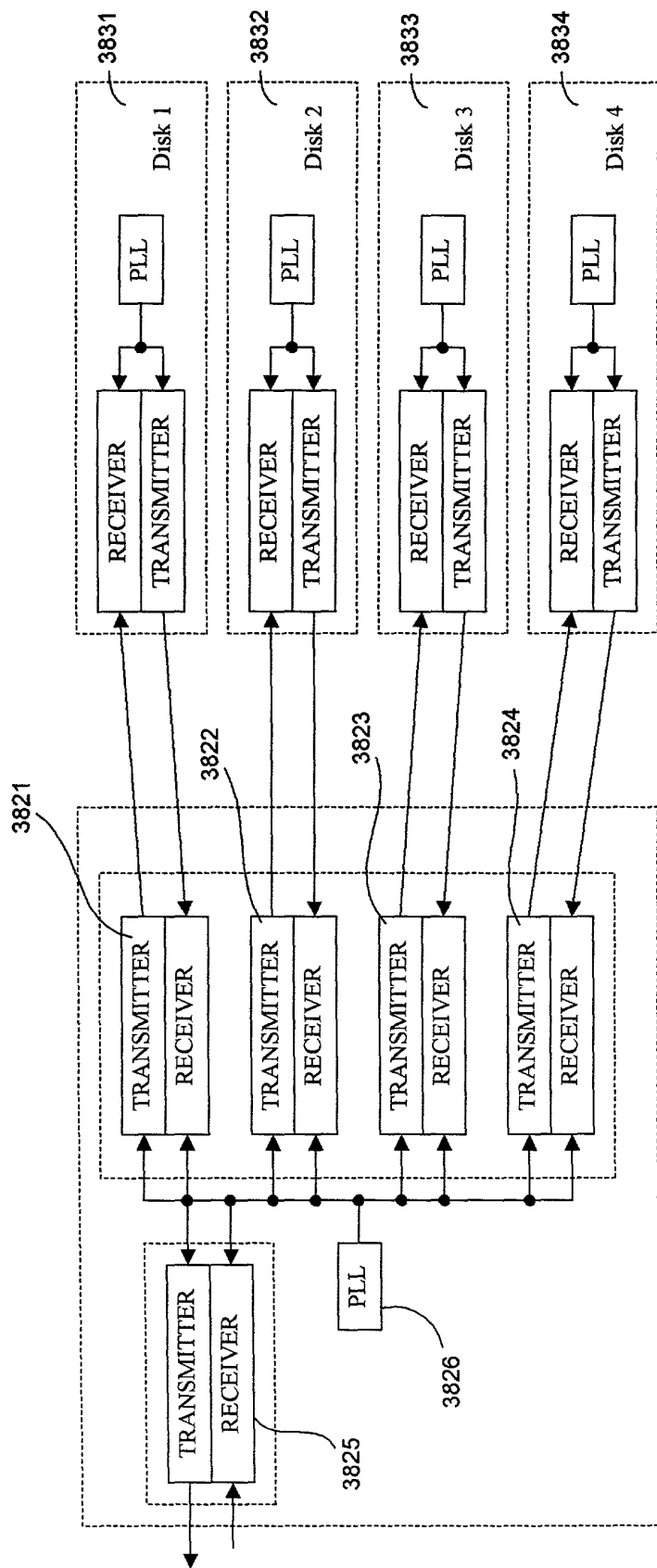


Fig. 38B

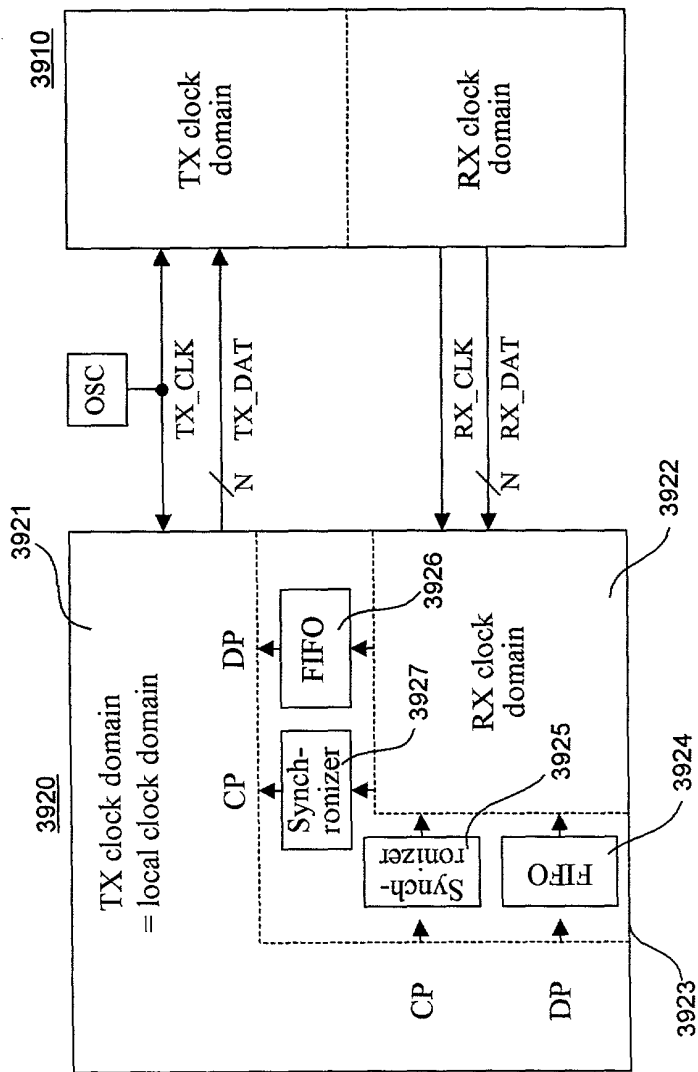


Fig. 39A

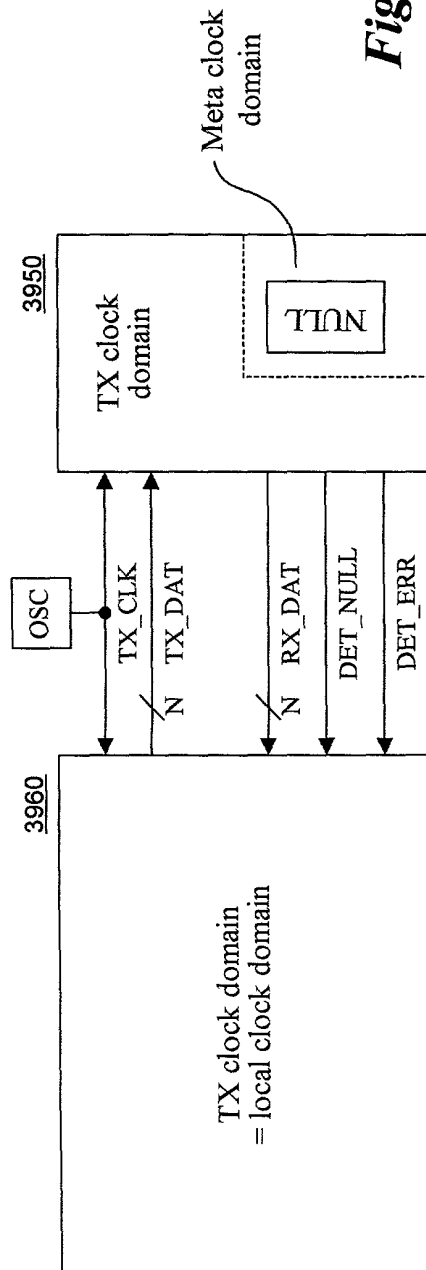


Fig. 39B

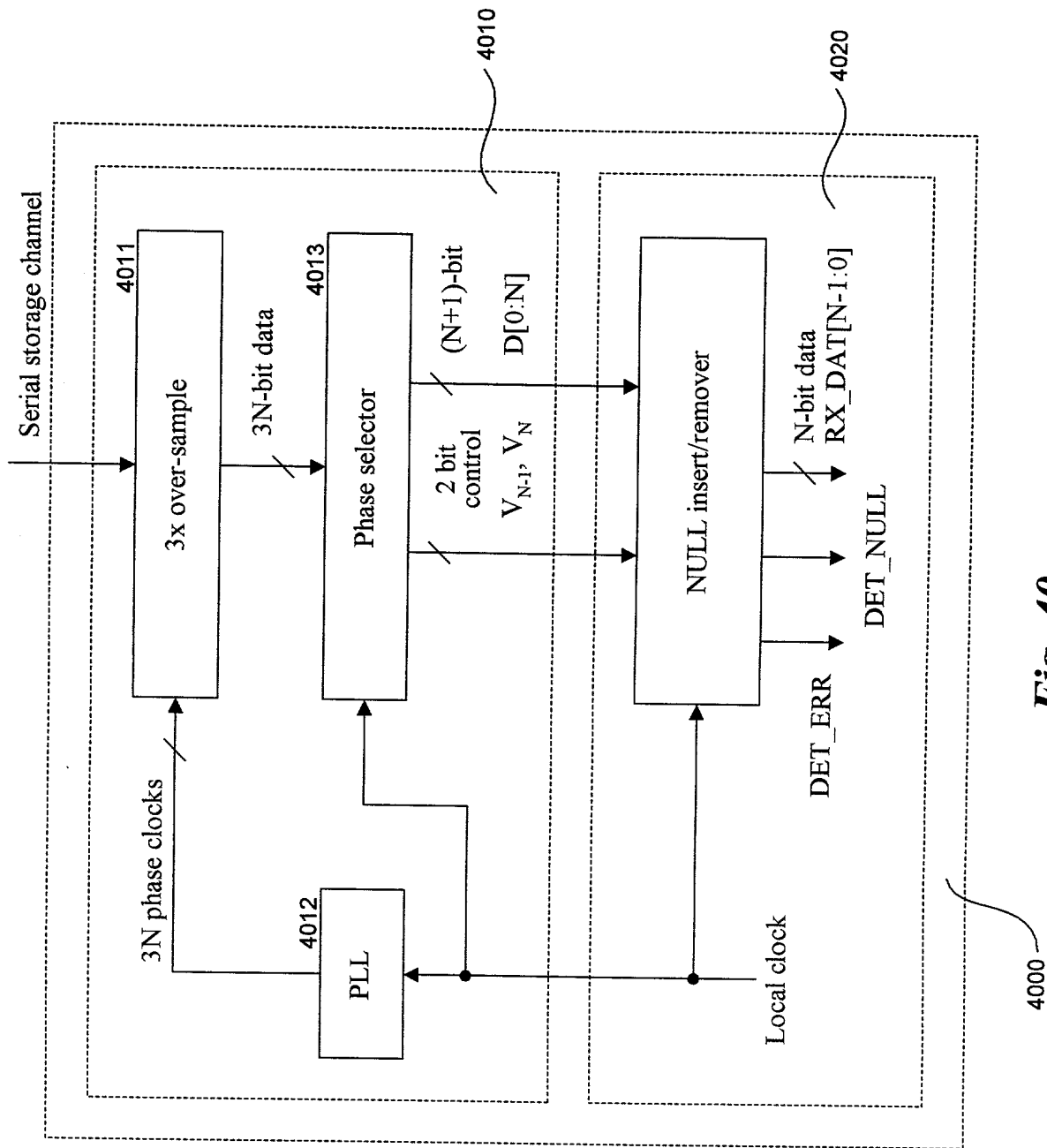


Fig. 40

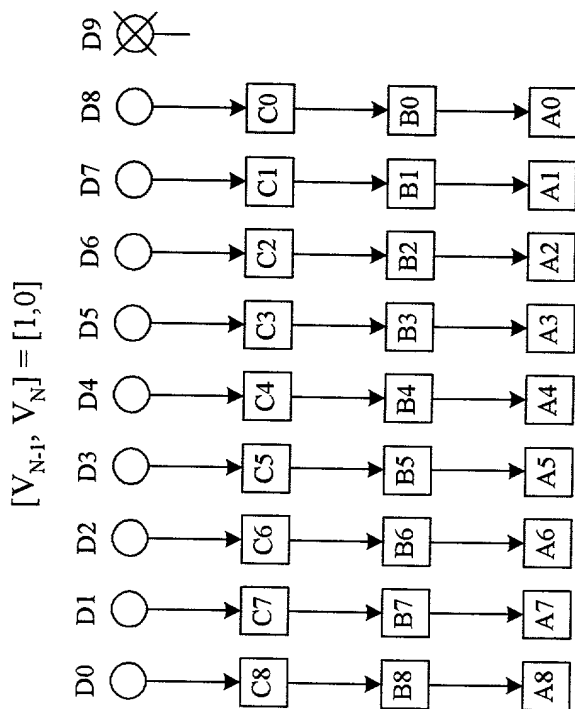


Fig. 42A

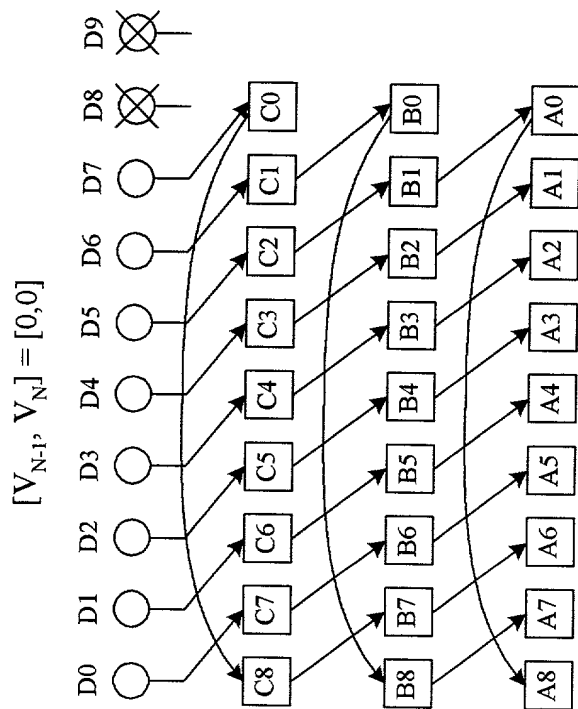


Fig. 42B

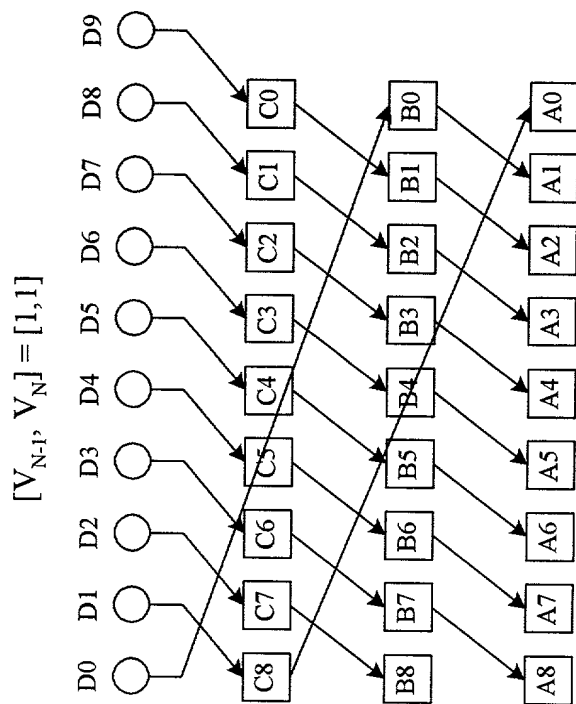


Fig. 42C

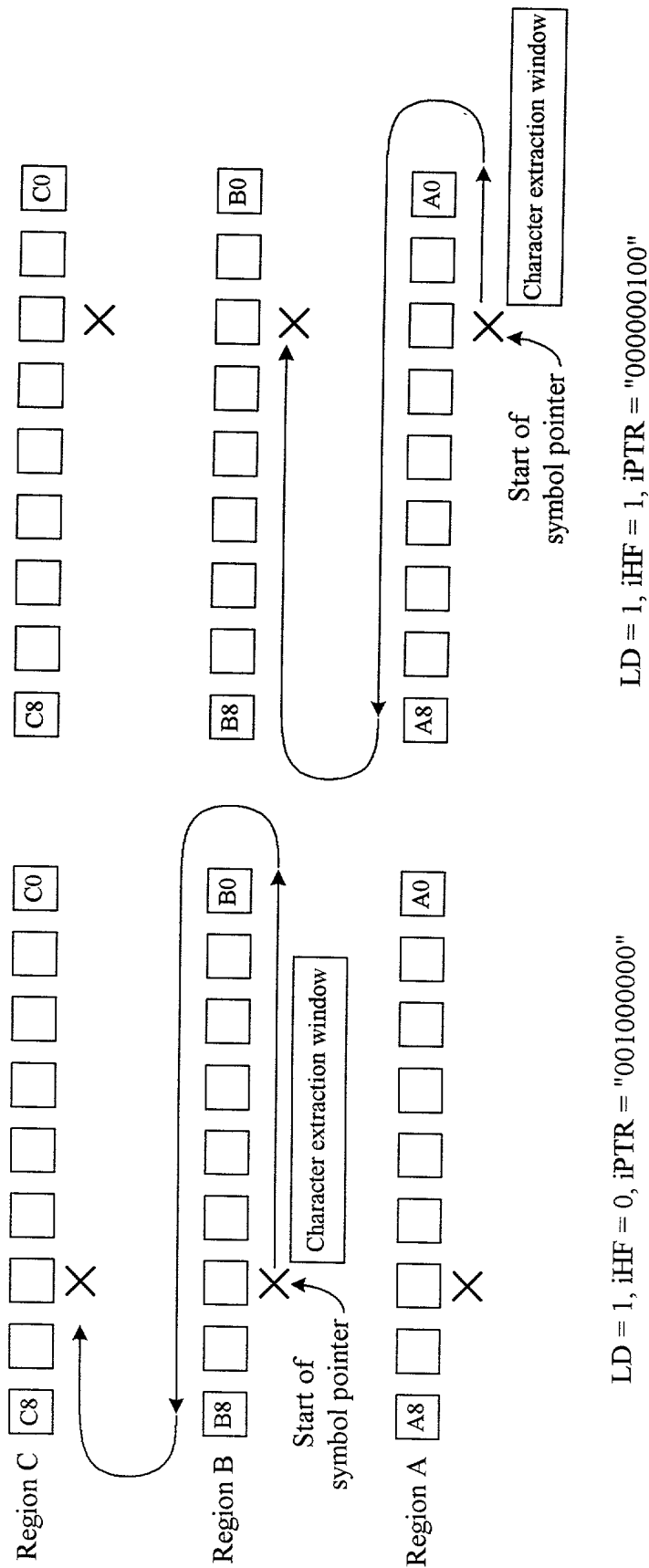


Fig. 44

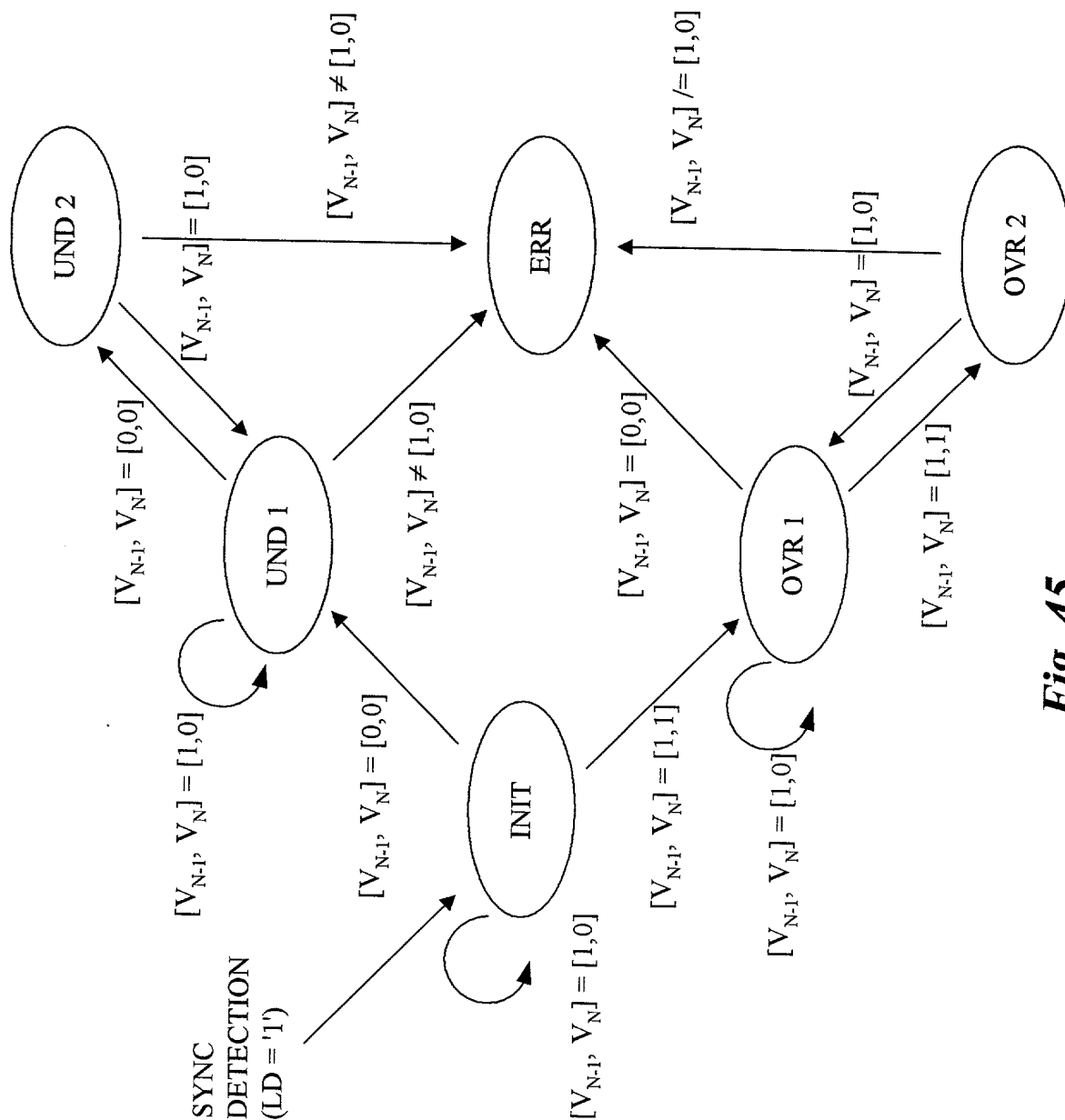


Fig. 45

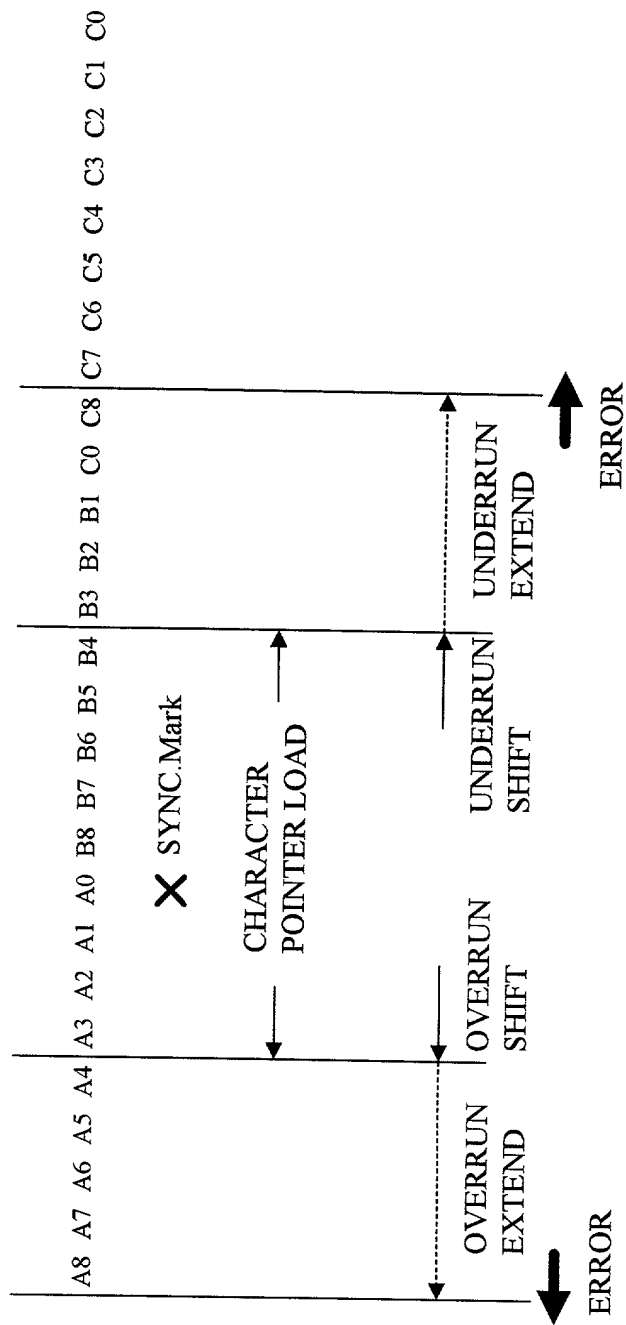


Fig. 46

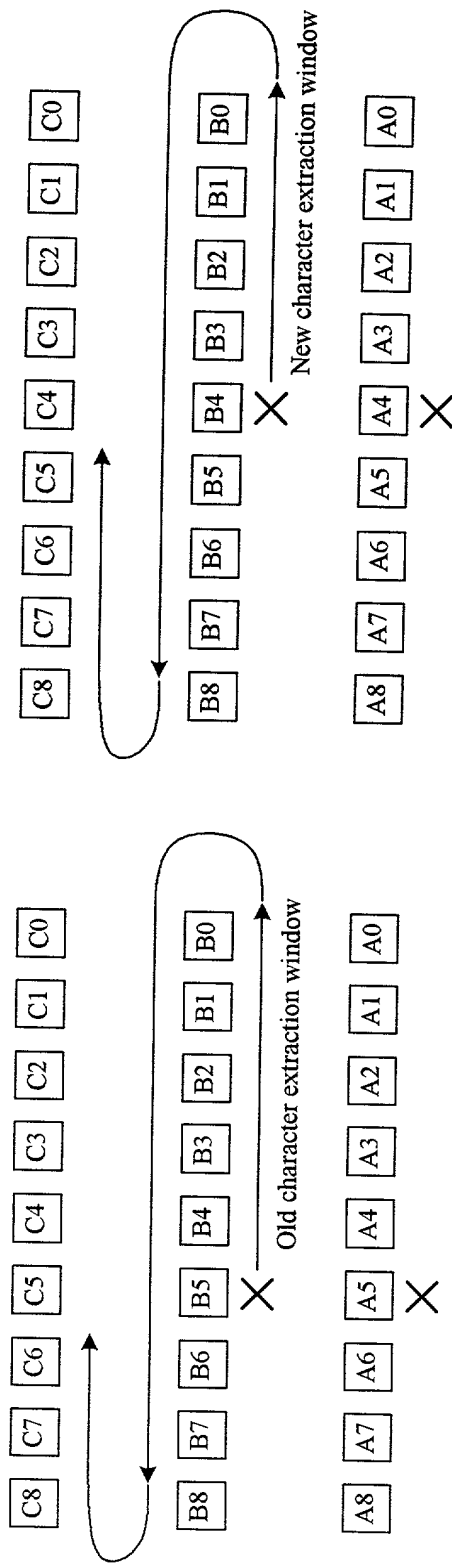


Fig. 47A

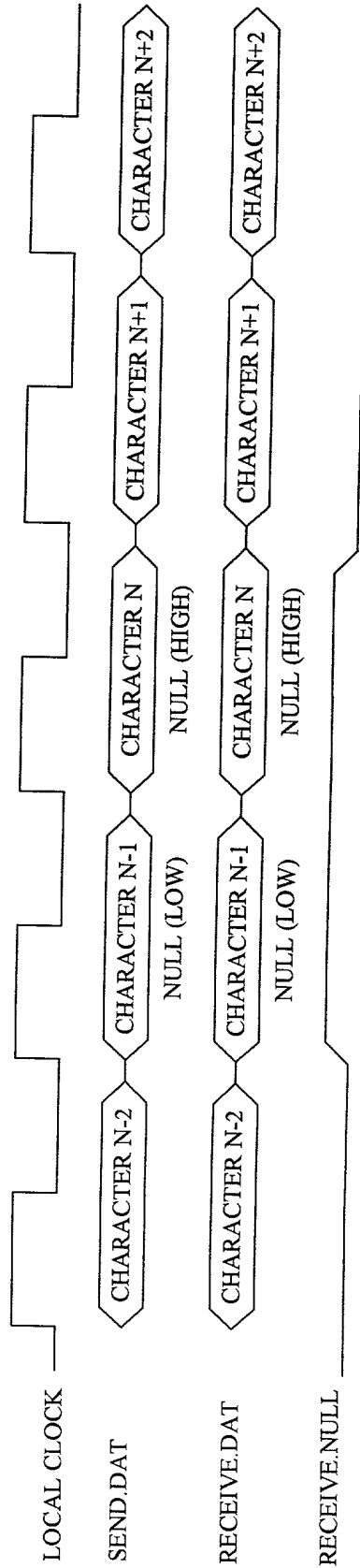


Fig. 47B

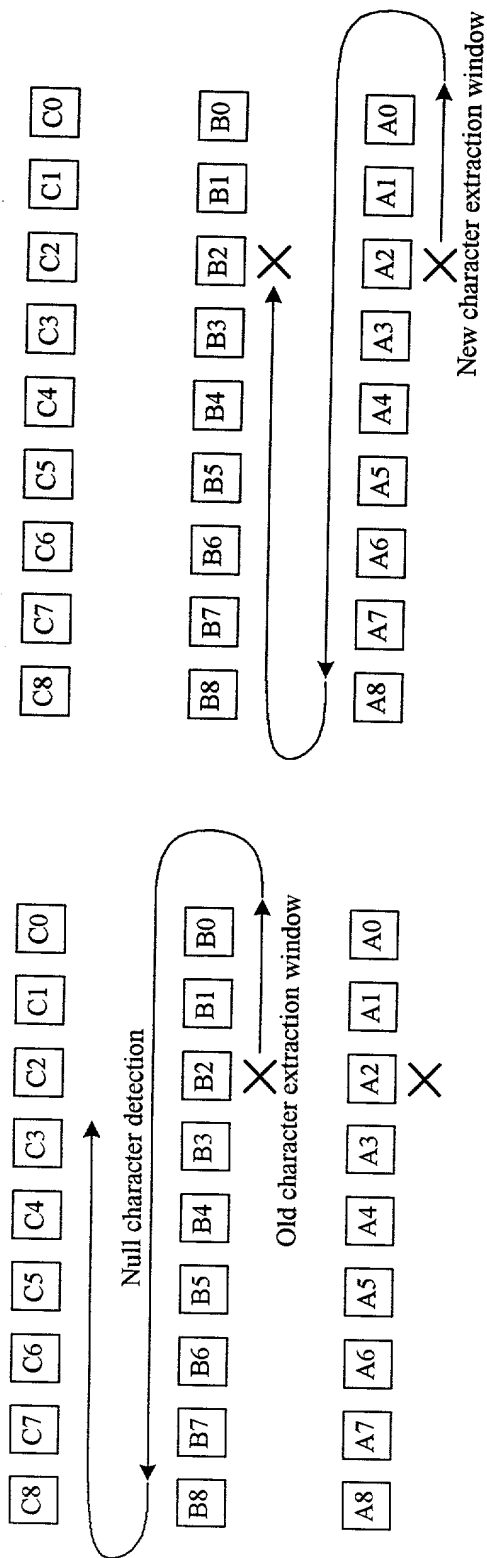


Fig. 48A

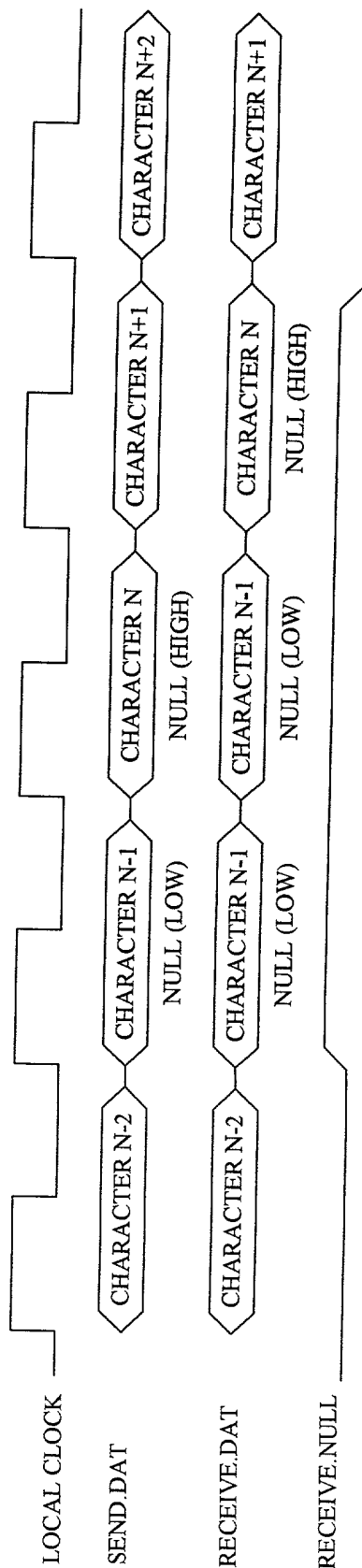


Fig. 48B

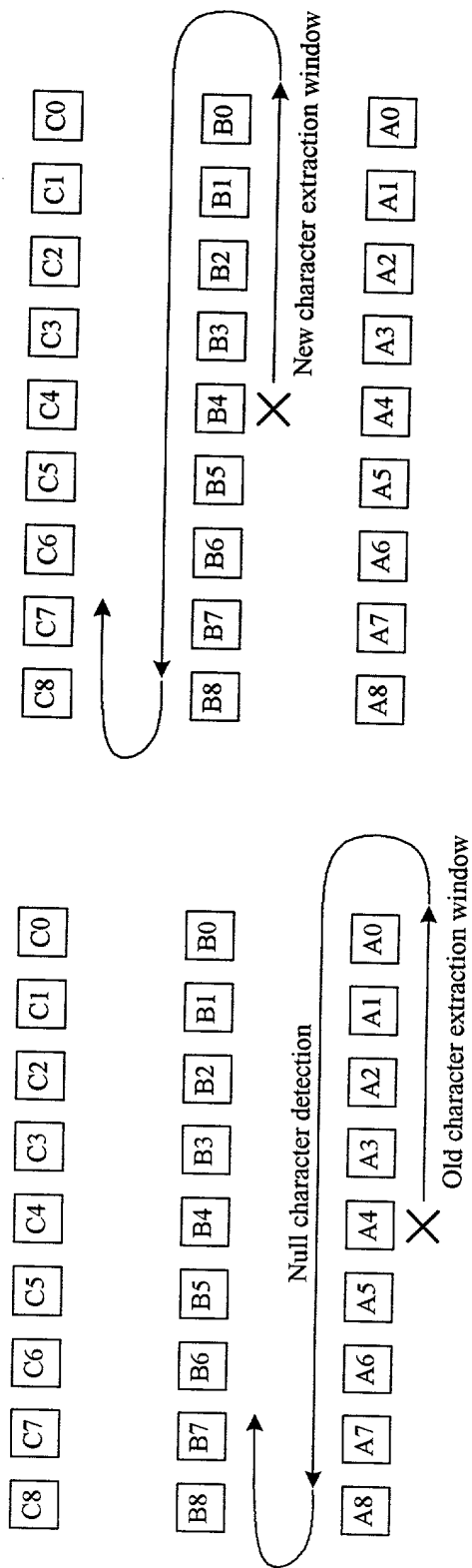


Fig. 49A

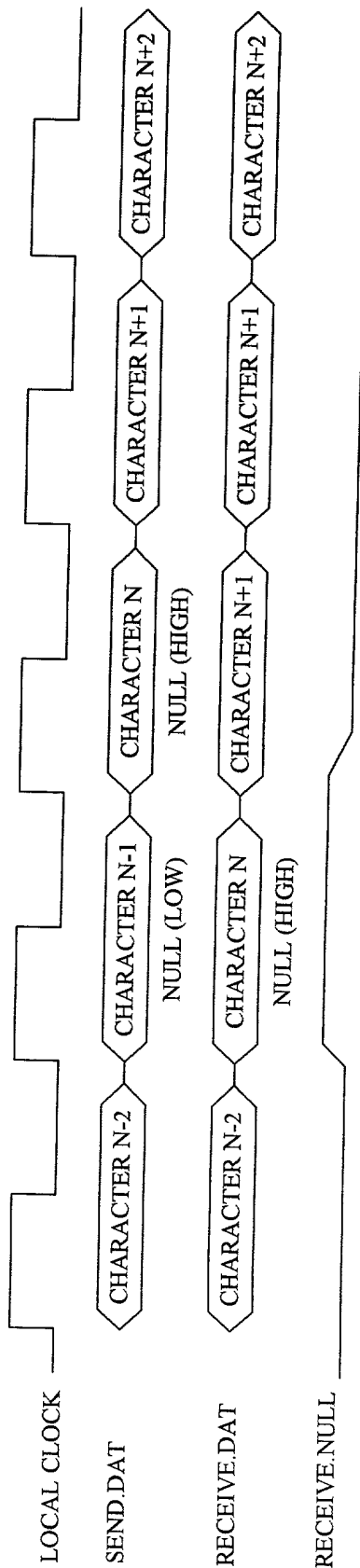


Fig. 49B